

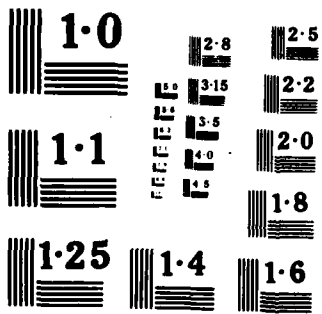
UNCLASSIFIED

MAXWELL AFB ALABAMA LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (LISOCs) (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUN 85
USAFETAC/DS-85/025 F/G 4/8

1/4

F/G 4/2

44



AW'S TECHNICAL ELEMENT
PL 4414

SCOTT AFB IL 62225

18 JUN 1985

①

USAL 722265

USAFETA/R 302

AD-A159 603

DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"

MAXWELL AFB AL M.O. #722265
N 32 23 W 86 22 ELEV: 168 FT MXP

PARIS A-F HOURS SUMMARIZED: 1100 - 0500 Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: MAR 75 - FEB 85
SUMMARY OF DAY DATA: NONE:

TIME CONVERSION GMT TO LST: -6

13 JUN 1985

DTIC FILE COPY

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Distribution Unlimited."

FEDERAL BUILDING
ASHEVILLE, N. C.

DTIC
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550-4420-6

REVIEW AND APPROVAL STATEMENT

This report is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER

Wayne E. McCollom

WAYNE E. MCCOLLUM
Chief, Document Research Section
USAFETAC/LDX

UNCLASSIFIED

AD-2159607

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

| | | | | |
|---|-------|--|---|------------------------------------|
| 1a. REPORT SECURITY CLASSIFICATION Unclassified | | | 1b. RESTRICTIVE MARKINGS | |
| 2a. SECURITY CLASSIFICATION AUTHORITY | | | 3. DISTRIBUTION/AVAILABILITY OF REPORT Approved for public release; distribution unlimited. | |
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| 4. PERFORMING ORGANIZATION REPORT NUMBER(S) USAFETAC/DS-85/025 | | | 5. MONITORING ORGANIZATION REPORT NUMBER(S) USAFETAC/DS-85/025 | |
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| 6c. ADDRESS (City, State, and ZIP Code) Federal Building Asheville, NC 28801 | | | 7b. ADDRESS (City, State, and ZIP Code) Scott AFB, IL 62225-5438 | |
| 8a. NAME OF FUNDING/SPONSORING ORGANIZATION | | 8b. OFFICE SYMBOL (if applicable) | 9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER | |
| 8c. ADDRESS (City, State, and ZIP Code) | | | 10. SOURCE OF FUNDING NUMBERS | |
| | | | PROGRAM ELEMENT NO. | PROJECT NO. |
| | | | TASK NO. | WORK UNIT ACCESSION NO. |
| 11. TITLE (Include Security Classification) MAXWELL AFB ALABAMA (LISOCs) (Unclassified) | | | | |
| 12. PERSONAL AUTHOR(S) | | | | |
| 13a. TYPE OF REPORT Data Summary | | 13b. TIME COVERED FROM MAR 75 TO FEB 85 | 14. DATE OF REPORT (Year, Month, Day) JUN 85 | 15. PAGE COUNT 120 |
| 16. SUPPLEMENTARY NOTATION | | | | |
| 17. COSATI CODES | | | 18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number) | |
| FIELD | GROUP | SUB-GROUP | *climatology *weather Meteorological conditions | |
| 04 | 02 | | (continued over) | |
| 19. ABSTRACT (Continue on reverse if necessary and identify by block number) | | | | |
| - A statistical data summary of surface weather observation climatology for: MAXWELL AFB ALABAMA. This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART A, Weather Conditions and Atmospheric Phenomena; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; and PART F, Pressure Summaries. Note that PART B, Precipitation, is omitted. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs), for complete descriptions of contents and instructions for use. | | | | |
| 20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT. <input type="checkbox"/> DTIC USERS | | | 21. ABSTRACT SECURITY CLASSIFICATION Unclassified | |
| 22a. NAME OF RESPONSIBLE INDIVIDUAL Marie Wakefield | | | 22b. TELEPHONE (Include Area Code) (618) 256-2625 | 22c. OFFICE SYMBOL USAFETAC/LDD |

DD FORM 1473, 84 MAR

83 APR edition may be used until exhausted.
All other editions are obsolete.

SECURITY CLASSIFICATION OF THIS PAGE

UNCLASSIFIED

UNCLASSIFIED

18. Subject terms cont.

| | | | |
|---------------------|--------------------|-------------------|------------|
| winds | precipitation | temperature | visibility |
| barometric pressure | | relative humidity | |
| sky cover | psychrometric data | | ceiling |

Limited Surface Observations Climatic Summary
LISOCs

MAXWELL AFB ALABAMA

MAXWELL FLD

MONTGOMERY

USAL 722265

UNCLASSIFIED

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

| | |
|--------------------|-------------------------------------|
| Accession For | |
| NTIS GRA&I | <input checked="" type="checkbox"/> |
| DTIC TAB | <input type="checkbox"/> |
| Unannounced | <input type="checkbox"/> |
| Justification | |
| By _____ | |
| Distribution / | |
| Availability Codes | |
| Avail and/or | |
| Dist | Special |
| A-1 | |



OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES
(LISOCs)

DEFINITION: A RUSSWO-like set of summaries of hourly observations for the station's normal operating hours.

Hourly Observations: Those record or record-special observations recorded at established hourly intervals.

General Comments:

1. The hourly data are screened to exclude extraneous or occasional hours outside the normal observing hours.
2. A brief description preceeds each summary.
3. Summaries containing "TOTALS" and "ALL HOURS" are only from the hours summarized. These values are representative only for the operating hours.
4. The monthly and annual "ALL HOURS" summaries are not presented because they are not representative, and would result in meaningless or biased values.
5. There are no "Sky Cover" nor "Sea Level Pressure" summaries for METAR stations.

Table of Contents: AWS Form 2 "Station History"

- Part 1: Weather Conditions
- Part 2: Surface Winds
- Part 3: Ceiling Versus Visibility; Sky Cover
- Part 4: Daily High, Low, Mean Temperatures; Max High and Min Low Temperatures;
Psychrometric Tables; Mean and Standard Deviation of Temperatures; Relative Humidity
- Part 5: Station Pressure; Sea Level Pressure

Standard 3-Hour Groups: All summaries having diurnal variations are summarized in 3-hour periods corresponding to the following sets of hourly observations and limited to normal observation reporting hours (LST):

| | |
|-----------|-----------|
| 0000-0200 | 1200-1400 |
| 0300-0500 | 1500-1700 |
| 0600-0800 | 1800-2000 |
| 0900-1100 | 2100-2300 |

Note that the first and last hour groups may or may not contain all three hours. See hours summarized on front cover to determine which hours are included in these two hour groups.

| STATION NO ON SUMMARY | STATION NAME | LATITUDE | LONGITUDE | STATION ELEV (FT) | CALL SIGN | WMO NUMBER |
|-----------------------|--------------------------------|----------|-----------|-------------------|-----------|------------|
| 722265 | MAXWELL AFB ALABAMA/MONTGOMERY | N 32 23 | W 086 22 | 168 | MXF | - |

STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL | | OBS PER DAY |
|--------------------|------------------------------|-----------------|------------------|-----------|----------|-----------|---------------------|----------------|-------------|
| | | | FROM | TO | | | STATION (FT) | TYPE BAROMETER | |
| 1 | Maxwell Fld, Alabama | AAF | Jan 37 | Dec 41 | N 32 23 | W 086 21 | 172 | 175 | 24 |
| 2 | Same | Same | Sep 42 | May 48 | N 32 24 | Same | Same | Same | 24 |
| 3 | Maxwell AFB, Alabama | AFB | Jun 48 | Mar 54 | N 32 23 | Same | 176 | Same | 24 |
| 4 | Same | Same | Apr 54 | Apr 57 | Same | Same | Same | 211 | 24 |
| 5 | Same | Same | May 57 | 20 Mar 58 | Same | Same | Same | 245 | 24 |
| 6 | Same | Same | 21 Mar 58 | Feb 68 | Same | W 086 22 | Same | 174 | 24 |
| 7 | Same | Same | Mar 68 | Feb 69 | Same | Same | Same | Same | 24 |
| 8 | Same | Same | Mar 69 | Mar 72 | Same | Same | 179 | Same | 24 |
| 9 | Same | Same | Apr 72 | Dec 72 | Same | Same | Same | Same | 17 |
| 10 | Same | Same | Feb 76 | Oct 76 | Oct 76 | Same | 169 | Same | 18 |
| 11 | Same | Same | Nov 76 | Feb 78 | Same | Same | Same | 175 | 17 |
| 12 | Same | Same | Mar 78 | Jan 82 | Same | Same | Same | Same | 18 |
| 13 | Same | Same | Feb 82 | Aug 84 | Same | Same | 168 | Same | 18 |
| 14 | Same | Same | Sep 84 | Dec 84 | Same | Same | Same | 176.1 | 18 |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------|------------------|---|---------------------|------------------|-----------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 1 | Jan 37 to Dec 41 | Located on the Tower Bldg. | Anemometer | N/A | 60 Ft | |
| 2 | Sep 42 to May 48 | Same | Selsyn | ML-144 | Same | |
| 3 | Jun 48 to Feb 54 | Located 200 ft S of Weather Station. | Same | Same | 45 Ft | |
| 4 | Mar 54 to Feb 55 | Located on top of Bldg adjacent to Weather Station. | Same | Same | 29 Ft | |
| 5 | Mar 55 to Feb 57 | Located on Hangar S of Base Operations. | Same | Same | 80 Ft | |
| 6 | Mar 57 to Apr 62 | Located in Base Control Tower. | Same | Same | 78 Ft | |

CONTINUED ON REVERSE SIDE

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------------|------------------------|--|------------------------|---------------------|---------------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT. ABOVE GROUND | |
| 7 | May 62 to Aug 62 | Located 750 ft from the end and 500 ft E of Rnwy 14. | AN/GMQ-11 | RO-2 | 13 Ft | |
| 8 | Sep 62 to Feb 64 | Located 950 ft N of Rnwy 14, 450 ft S from Taxiway A. | Same | Same | 12 Ft | |
| 9 | Mar 64 to Sep 70 | Located 750 ft from the end and 500 ft E of Rnwy 14. | Same | Same | 13 Ft | |
| 10 | Oct 70 to Dec 72 | Located 1000 ft ENE of centerline, 1550 ft from end of Rnwy 14. | Same | Same | Same | |
| 11 | Jul 78 to Mar 84 | Located 1000 Ft ENE of centerline, 1550 Ft from end of Runway 15. | Same | RO362 | Same | |

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WEATHER CONDITIONS

1

PART I

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented by month by the available 3-hour groups.

Thunderstorms--All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle--All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze)--Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets)--Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets. (Snow pellets also known as soft hail.)

Hail--Occurrences of hail.

Percentage of observations with precipitation--Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentage of the observations with precip.

Fog--Included are fog, ice fog, and ground fog.

Smoke and/or haze--Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow--Occurrences of blowing snow.

Dust and/or sand--Included are blowing dust, blowing sand, and dust.

Blowing spray--This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision--Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

Continued on Reverse

NOTE: 1. For METAR stations beginning Jan 68 and Synoptic reporting stations, only the highest order of atmospheric phenomena was reported, recorded on the AWS Forms 10a, and transmitted longline. Beginning Jan 70, METAR stations recorded all atmospheric phenomena on the AWS Form 10a, but transmitted longline only the highest order. For example, if the observation consisted of rain, fog and smoke, only the rain was transmitted longline. Our data base, as a result, contains only rain for that observation. Because of these reporting procedures the summaries for METAR and Synoptic reporting stations are highly questionable in the hourly summaries. This primarily effects the obstruction to vision columns, but may also have minor effects on the precipitation columns.

2. When the value of ".0" appears in the summaries, it represent one or more occurrences amounting to less than .05 percent.

JOINT CLIMATELOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

760065 STATION MAXWELL AFB AL 76-85 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JAN. | 1-24 | | | | | | | | | | | | |
| | 25-31 | | | | | | | | | | | | |
| | 1-31 | .4 | 11.6 | .4 | .0 | | 12.7 | 32.6 | 5.7 | | | 35.0 | 794 |
| | 1-11 | | 11.7 | .2 | 1.0 | | 13.4 | 21.3 | 11.1 | | | 30.4 | 288 |
| | 12-14 | | 9.7 | .1 | .0 | .1 | 10.4 | 12.7 | 0.3 | | | 15.4 | 897 |
| | 15-17 | | 11.0 | .3 | .0 | | 12.7 | 12.1 | 5.0 | | | 16.2 | 907 |
| | 18-20 | .1 | 11.7 | .6 | .7 | .1 | 13.1 | 13.2 | 3.9 | | | 16.0 | 981 |
| | 21-31 | .1 | 10.5 | .6 | .0 | | 11.4 | 13.8 | 2.7 | | | 15.4 | 270 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 11.1 | .4 | .0 | .0 | 12.3 | 17.6 | 5.0 | | | 22.0 | 5213 |

JOINT CLIMATELOGY BRANCH
 USAFETAC
 AIRCRAFT SERVICE CENTER

WEATHER CONDITIONS

STATION AX-111 AF 31 STATION NAME 70-15 YEARS FLY MONTH

MONTHLY FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| 5-7-21 | | | | | | | | | | | | | |
| 5-7-22 | | | | | | | | | | | | | |
| 5-7-23 | | | | | | | | | | | | | |
| 5-7-24 | | | | | | | | | | | | | |
| 5-7-25 | | | | | | | | | | | | | |
| 5-7-26 | | | | | | | | | | | | | |
| 5-7-27 | | | | | | | | | | | | | |
| 5-7-28 | | | | | | | | | | | | | |
| 5-7-29 | | | | | | | | | | | | | |
| 5-7-30 | | | | | | | | | | | | | |
| 5-7-31 | | | | | | | | | | | | | |
| 5-8-1 | | | | | | | | | | | | | |
| 5-8-2 | | | | | | | | | | | | | |
| 5-8-3 | | | | | | | | | | | | | |
| 5-8-4 | | | | | | | | | | | | | |
| 5-8-5 | | | | | | | | | | | | | |
| 5-8-6 | | | | | | | | | | | | | |
| 5-8-7 | | | | | | | | | | | | | |
| 5-8-8 | | | | | | | | | | | | | |
| 5-8-9 | | | | | | | | | | | | | |
| 5-8-10 | | | | | | | | | | | | | |
| 5-8-11 | | | | | | | | | | | | | |
| 5-8-12 | | | | | | | | | | | | | |
| 5-8-13 | | | | | | | | | | | | | |
| 5-8-14 | | | | | | | | | | | | | |
| 5-8-15 | | | | | | | | | | | | | |
| 5-8-16 | | | | | | | | | | | | | |
| 5-8-17 | | | | | | | | | | | | | |
| 5-8-18 | | | | | | | | | | | | | |
| 5-8-19 | | | | | | | | | | | | | |
| 5-8-20 | | | | | | | | | | | | | |
| 5-8-21 | | | | | | | | | | | | | |
| 5-8-22 | | | | | | | | | | | | | |
| 5-8-23 | | | | | | | | | | | | | |
| 5-8-24 | | | | | | | | | | | | | |
| 5-8-25 | | | | | | | | | | | | | |
| 5-8-26 | | | | | | | | | | | | | |
| 5-8-27 | | | | | | | | | | | | | |
| 5-8-28 | | | | | | | | | | | | | |
| 5-8-29 | | | | | | | | | | | | | |
| 5-8-30 | | | | | | | | | | | | | |
| 5-8-31 | | | | | | | | | | | | | |
| TOTALS | | 1.3 | 10.5 | | .3 | .0 | 11.5 | 14.0 | 7.7 | | .6 | 21.2 | 49.2 |

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 75-111 STATION NAME ALL AMEN YEARS 1954-1955 MONTH 1-12
CLASS ALL HOURS (L & T) 1-24
CONDITION ALL

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | 1.1 | 1.1 | 2.2 | .2 | | | | | | | | | |
| NNE | 1.1 | 1.1 | .2 | | | | | | | | | | |
| NE | 1.1 | 1.1 | .2 | | | | | | | | | | |
| ENE | 1.1 | 1.1 | .2 | .1 | | | | | | | | | |
| E | 1.1 | 1.1 | 1.1 | .1 | | | | | | | | | |
| ESE | 1.1 | 1.1 | .2 | | | | | | | | | | |
| SE | .2 | .2 | .2 | .1 | | | | | | | | | |
| SSE | .2 | 1.1 | 1.1 | .4 | | | | | | | | | |
| S | .2 | 1.1 | 1.1 | .7 | | | | | | | | | |
| SSW | .2 | 1.1 | .2 | .1 | .1 | | | | | | | | |
| SW | 1.1 | 1.1 | 1.1 | .5 | | | | | | | | | |
| WSW | 1.1 | 1.1 | .2 | .2 | | | | | | | | | |
| W | .2 | 1.1 | 1.1 | 1.4 | | | | | | | | | |
| WNW | .2 | .2 | .2 | .1 | | | | | | | | | |
| NW | 1.1 | .2 | .2 | .2 | .1 | | | | | | | | |
| NNW | .2 | .2 | .2 | .2 | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

| | | | |
|-----------|--------------|----------------|-------|
| STATION | STATION NAME | YEARS | MONTH |
| CLASS | | HOURS (L.S.T.) | |
| CONDITION | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 10-741
 10-10-741

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WALL AFB AL STATION NAME WALL AFB YEARS 1955 MONTH 1955

CLASS ALL WINDS HOURS (LST) 0000-2300

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 2.0 | 3.1 | 1.0 | .1 | | | | | | | | 1.7 | 2.0 |
| NNE | 4.4 | 2.0 | .6 | | | | | | | | | 1.7 | 3.0 |
| NE | 1.4 | 1.4 | .6 | | | | | | | | | 1.7 | 1.4 |
| ENE | .6 | 2.6 | .7 | .1 | | | | | | | | 1.7 | 1.4 |
| E | 1.1 | 2.4 | 1.0 | .1 | | | | | | | | 1.7 | 1.4 |
| ESE | .7 | .4 | .6 | | | | | | | | | 1.7 | 1.4 |
| SE | .1 | .3 | .3 | | | | | | | | | 1.7 | 1.4 |
| SSE | .7 | .6 | | .3 | | | | | | | | 1.7 | 1.4 |
| S | 1.2 | 1.4 | .1 | | | | | | | | | 1.7 | 1.4 |
| SSW | .7 | .4 | .7 | .1 | | | | | | | | 1.7 | 1.4 |
| SW | .7 | | | .1 | | | | | | | | 1.7 | 1.4 |
| WSW | 1.2 | .1 | | | | | | | | | | 1.7 | 1.4 |
| W | 2.4 | 1.0 | 1.5 | 1.0 | | | | | | | | 1.7 | 1.4 |
| WNW | 2.4 | 2.6 | 1.0 | .8 | | | | | | | | 1.7 | 1.4 |
| NW | .7 | 2.1 | 1.0 | 1.0 | | | | | | | | 1.7 | 1.4 |
| NNW | 1.2 | 2.4 | 1.5 | 1.5 | | | | | | | | 1.7 | 1.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 10.2 | 24.6 | 13.2 | 5.2 | | | | | | | | 1.7 | 1.4 |

TOTAL NUMBER OF OBSERVATIONS 1000

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SURFACE WINDS

PART 2

Presented in this part are various tabulations of surface winds as follows:

Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm vs 11 wind speed (knots) increments in Beaufort classifications. Percentages are shown for both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

These tables are prepared for all years combined, by month by available 3-hour groups.

A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

12-265 STATION MAXWELL AFB AL 75-84 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| DEC | 00-05 | | | | | | | | | | | | |
| | 06-11 | | | | | | | | | | | | |
| | 12-17 | .4 | 6.9 | .1 | | | 9.0 | 25.1 | 4.7 | | | 39.4 | 697 |
| | 18-23 | .1 | 7.6 | | | | 7.6 | 13.0 | 3.3 | | | 19.3 | 843 |
| | 24-31 | .4 | 9.3 | | | | 9.3 | 7.6 | 2.7 | | .2 | 10.5 | 837 |
| | 01-06 | .4 | 6.5 | | | | 8.5 | 7.0 | 2.6 | | .1 | 9.3 | 916 |
| | 07-12 | .5 | 9.1 | | | | 9.1 | 6.5 | 1.9 | | | 7.9 | 772 |
| | 13-18 | .1 | 8.9 | | | | 8.9 | 7.6 | 2.4 | | .3 | 9.4 | 761 |
| | 19-24 | | | | | | | | | | | | |
| | 25-31 | | | | | | | | | | | | |
| TOTALS | | .3 | 8.7 | .2 | | | 8.7 | 11.3 | 3.8 | | .1 | 14.5 | 4726 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

722265 STATION MAXWELL AFB AL 75-84 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND, OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS. |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|--------------------------|-----------------|------------------------|------------------------------------|------------------------|
| NOV | 00-01 | | | | | | | | | | | | |
| | 02-03 | | | | | | | | | | | | |
| | 04-05 | | 8.5 | | | | 8.5 | 33.3 | 12.5 | | | 42.7 | 913 |
| | 06-11 | .1 | 8.3 | | | | 8.0 | 12.5 | 14.5 | | | 25.2 | 897 |
| | 12-14 | .1 | 8.8 | | | | 8.2 | 4.5 | 5.9 | | | 9.8 | 897 |
| | 15-17 | .4 | 8.8 | | | | 3.6 | 7.1 | 2.9 | | | 9.8 | 897 |
| | 18-2 | .4 | 8.7 | | | | 8.7 | 7.2 | 1.8 | | | 9.0 | 897 |
| | 21-23 | .3 | 8.1 | | | | 8.1 | 9.2 | 2.7 | | | 11.0 | 896 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 8.5 | | | | 8.5 | 12.4 | 6.6 | | | 18.2 | 5297 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE /MAC

WEATHER CONDITIONS

72-285 STATION 75-84 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS. |
|--------|----------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| OCT | 00-01 | | | | | | | | | | | | |
| | 02-05 | | 2.6 | | | | 2.6 | 35.6 | 3.6 | | | 40.2 | 194 |
| | 06-08 | .1 | 4.7 | | | | 4.7 | 36.5 | 21.6 | | | 45.8 | 918 |
| | 09-11 | .4 | 4.9 | | | | 4.9 | 8.4 | 16.9 | | | 22.9 | 927 |
| | 12-14 | .4 | 3.8 | | | | 3.6 | 2.8 | 5.1 | | | 8.4 | 927 |
| | 15-17 | .9 | 4.1 | | | | 4.1 | 2.8 | 3.7 | | | 6.3 | 927 |
| | 18-20 | .5 | 4.0 | | | | 4.0 | 3.8 | 3.7 | | | 7.2 | 927 |
| | 21-23 | .5 | 4.6 | | | | 4.6 | 4.9 | 3.6 | | | 7.6 | 628 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .4 | 4.1 | | | | 4.1 | 13.7 | 9.1 | | | 20.2 | 5448 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

722255 STATION MAXWELL AFB AL 75-84 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| SEP | 00-02 | | | | | | | | | | | | |
| | 03-05 | | 5.7 | | | | 5.7 | 46.7 | 40.6 | | | 64.6 | 212 |
| | 06-08 | | 4.7 | | | | 4.7 | 37.0 | 39.6 | | | 59.3 | 900 |
| | 09-11 | .1 | 4.0 | | | | 4.0 | 5.6 | 30.4 | | | 34.1 | 900 |
| | 12-14 | 1.9 | 7.4 | | | | 7.4 | 2.1 | 14.3 | | | 16.2 | 900 |
| | 15-17 | 3.2 | 6.9 | | | | 6.9 | 1.3 | 13.9 | | | 15.2 | 900 |
| | 18-20 | 2.0 | 6.1 | | | | 6.1 | 3.2 | 16.0 | | | 19.7 | 899 |
| | 21-23 | 1.2 | 4.7 | | | | 4.7 | 4.2 | 15.3 | | | 18.8 | 600 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.3 | 5.8 | | | | 5.8 | 14.3 | 24.4 | | | 32.6 | 5311 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

WEATHER CONDITIONS

720265 STATION MAXWELL AFB AL 75-84 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| AUG | 00-01 | | | | | | | | | | | | |
| | 03-05 | .5 | 2.3 | | | | 2.3 | 65.8 | 39.3 | | | 79.0 | 219 |
| | 06-08 | .4 | 2.0 | | | | 2.4 | 37.6 | 49.9 | | | 66.5 | 937 |
| | 09-11 | .5 | 1.7 | | | | 1.7 | 3.7 | 35.6 | | | 37.3 | 937 |
| | 12-14 | 3.5 | 4.7 | | | | 4.7 | .8 | 25.2 | | | 25.0 | 930 |
| | 15-17 | 7.1 | 6.9 | | | | 6.9 | .4 | 23.2 | | | 23.7 | 930 |
| | 18-20 | 4.4 | 6.4 | | | | 6.4 | 2.3 | 22.2 | | | 23.6 | 929 |
| | 21-23 | 1.1 | 3.4 | | | | 3.4 | 3.5 | 21.0 | | | 23.1 | 620 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 2.5 | 3.9 | | | | 3.9 | 16.3 | 30.9 | | | 39.9 | 5488 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

722265
STATION

MAXWELL AFB AL
STATION NAME

75-84
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JUL | 00-02 | | | | | | | | | | | | |
| | 03-05 | | 1.8 | | | | 1.8 | 56.0 | 51.8 | | | 77.1 | 218 |
| | 06-08 | .6 | 3.9 | | | | 3.9 | 29.2 | 51.1 | | | 62.5 | 930 |
| | 09-11 | 1.4 | 4.2 | | | | 4.2 | 4.4 | 33.1 | | | 35.4 | 930 |
| | 12-14 | 6.0 | 6.7 | | | | 6.7 | 1.4 | 23.0 | | | 24.1 | 926 |
| | 15-17 | 10.0 | 9.4 | | | | 9.4 | 1.1 | 20.9 | | | 21.7 | 916 |
| | 18-20 | 7.7 | 9.0 | | | | 9.0 | 1.4 | 20.0 | | | 20.8 | 909 |
| | 21-23 | 4.3 | 6.8 | | | | 6.6 | 2.6 | 16.5 | | | 18.3 | 606 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 4.3 | 6.3 | | | | 6.0 | 13.7 | 30.9 | | | 37.2 | 5435 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72265 STATION 75-84 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUN | 00-02 | | | | | | | | | | | | |
| | 03-05 | | 2.8 | | | | 2.8 | 52.3 | 42.1 | | | 70.0 | 214 |
| | 06-08 | .2 | 2.1 | | | | 2.1 | 25.3 | 44.7 | | | 55.3 | 891 |
| | 09-11 | .9 | 2.9 | | | | 2.9 | 2.0 | 24.9 | | | 26.2 | 891 |
| | 12-14 | 3.9 | 5.2 | | | | 5.2 | .6 | 14.5 | | | 15.0 | 891 |
| | 15-17 | 8.0 | 7.2 | | | | 7.2 | .2 | 12.5 | | | 12.7 | 891 |
| | 18-20 | 4.5 | 6.1 | | | | 6.1 | .1 | 12.7 | | .2 | 13.0 | 891 |
| | 21-23 | 2.2 | 3.0 | | | | 3.0 | .7 | 8.1 | | | 8.5 | 594 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 2.0 | 4.2 | | | | 4.2 | 11.6 | 22.8 | | .0 | 28.8 | 5263 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF-WEATHER SERVICE/MAC

WEATHER CONDITIONS

724265 STATION 75-84 MAY
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY | 00-23 | | | | | | | | | | | | |
| | 01-05 | .9 | 4.1 | | | | 4.1 | 50.2 | 71.0 | | | 59.4 | 219 |
| | 06-10 | 1.0 | 5.9 | | | | 5.9 | 27.7 | 32.3 | | | 50.2 | 930 |
| | 11-15 | 1.6 | 5.9 | | | | 5.9 | 3.4 | 21.0 | | | 24.2 | 930 |
| | 16-20 | 2.9 | 5.9 | | | | 5.9 | 1.2 | 15.7 | | | 14.5 | 930 |
| | 21-23 | 2.8 | 6.8 | | | .1 | 6.8 | .9 | 12.0 | | .1 | 13.0 | 930 |
| | 24-28 | 2.8 | 5.4 | | | | 5.4 | 1.5 | 12.0 | | | 13.5 | 919 |
| | 29-31 | .8 | 4.5 | | | | 4.5 | 2.3 | 7.9 | | | 10.1 | 606 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.8 | 5.5 | | | .0 | 5.5 | 12.5 | 17.2 | | .0 | 26.4 | 5464 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

722265 STATION MAXWELL AFB AL STATION NAME 75-84 YEARS 1975 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HALE | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| APR | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | 1.8 | 7.8 | | | | 7.8 | 23.9 | 16.1 | | .1 | 33.5 | 855 |
| | 09-11 | 1.3 | 5.9 | | | | 5.9 | 6.6 | 12.1 | | .3 | 17.1 | 899 |
| | 12-14 | 1.4 | 7.6 | | | | 7.6 | 2.9 | 5.2 | | .2 | 8.1 | 900 |
| | 15-17 | 1.7 | 6.3 | | | | 6.3 | 1.8 | 3.4 | | .3 | 5.7 | 900 |
| | 18-20 | 2.2 | 5.9 | | | | 5.9 | 3.2 | 3.1 | | .2 | 6.5 | 881 |
| | 21-23 | 2.6 | 7.4 | | | | 7.4 | 3.5 | 3.0 | | | 6.1 | 771 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.9 | 6.8 | | | | 6.8 | 7.0 | 7.2 | | .2 | 12.9 | 5206 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72266 STATION MAXWELL AFB AL 75-84 YEARS 42 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAR | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | .8 | 8.3 | | .5 | | 8.6 | 28.3 | 13.9 | | | 37.6 | 969 |
| | 09-11 | 1.1 | 9.5 | | .3 | | 9.8 | 11.0 | 11.2 | | | 20.9 | 930 |
| | 12-14 | 1.5 | 8.4 | | .3 | | 8.7 | 8.6 | 4.2 | | .5 | 11.1 | 930 |
| | 15-17 | 2.9 | 9.9 | | .3 | | 10.2 | 5.9 | 3.8 | | .4 | 9.9 | 930 |
| | 18-20 | 2.0 | 10.7 | .1 | | | 10.8 | 6.2 | 2.3 | | .1 | 8.2 | 923 |
| | 21-23 | 1.2 | 10.6 | .3 | | | 11.0 | 8.8 | 1.6 | | | 10.1 | 864 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.6 | 9.6 | .1 | .4 | | 9.9 | 11.1 | 6.2 | | .2 | 16.1 | 5446 |

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION USAFIL AFB STATION NAME 74-00 YEARS 1957 NORTH 1-37

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.3 | 3.7 | 1.6 | .3 | | | | | | | | 3.7 | 3.3 |
| NNE | 2.3 | 1.4 | .2 | | | | | | | | | 4.0 | 3.1 |
| NE | 2.3 | .2 | .1 | | | | | | | | | 1.6 | 3.0 |
| ENE | 2.7 | 1.4 | .7 | | | | | | | | | 4.5 | 2.7 |
| E | 1.6 | 2.7 | 1.6 | .3 | | | | | | | | 6.4 | 5.4 |
| ESE | | 1.7 | .7 | | | | | | | | | 2.4 | 4.4 |
| SE | .4 | .9 | .3 | | | | | | | | | 2.0 | 4.4 |
| SSE | .7 | .1 | .2 | .6 | | | | | | | | 2.2 | 1.6 |
| S | 1.1 | 1.5 | 1.0 | .3 | | | | | | | | 3.3 | 2.6 |
| SSW | 1.6 | 1.1 | .4 | .2 | | | | | | | | 3.3 | 2.5 |
| SW | .7 | 1.4 | .5 | .6 | | | | | | | | 3.0 | 3.3 |
| WSW | 2.6 | 2.5 | 1.4 | | | | | | | | | 6.7 | 4.7 |
| W | 2.1 | 4.3 | 3.5 | 1.0 | | | | | | | | 10.7 | 6.4 |
| WNW | 2.1 | 2.0 | 3.3 | 1.7 | .1 | | | | | | | 7.2 | 1.6 |
| NW | 1.7 | 2.1 | 3.3 | 2.4 | | | | | | | | 7.5 | 7.5 |
| NNW | 1.6 | 2.0 | 2.4 | 1.7 | | | | | | | | 6.7 | 1.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 27.6 | 30.7 | 21.9 | 6.1 | .1 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 637

U.S. AIR FORCE
 STATION
 METEOROLOGICAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 74-25 STATION NAME ALL WEATHER YEARS 1961-1962 MONTH 1-12
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|--------------------|
| N | 1.7 | 4.0 | .7 | .9 | | | | | | | | 5.2 | 4.7 |
| NNE | 1.4 | 1.3 | .1 | | | | | | | | | 2.4 | 4.1 |
| NE | 1.1 | .5 | .7 | | | | | | | | | 2.2 | 4.0 |
| ENE | 1.1 | .9 | .7 | | | | | | | | | 2.7 | 4.0 |
| E | 1.7 | 2.0 | .7 | .6 | | | | | | | | 2.4 | 3.4 |
| ESE | .7 | 1.7 | .7 | .2 | | | | | | | | 2.1 | 3.7 |
| SE | .7 | 1.7 | .7 | .2 | | | | | | | | 1.7 | 3.0 |
| SSE | .7 | .9 | .7 | .7 | | | | | | | | 1.7 | 4.7 |
| S | 2.0 | 1.7 | .7 | .1 | | | | | | | | 4.0 | 3.0 |
| SSW | 1.7 | 1.2 | .5 | | | | | | | | | 2.1 | 4.0 |
| SW | 1.4 | .1 | | | | | | | | | | 3.0 | 2.0 |
| WSW | 1.3 | 1.2 | | | | | | | | | | 2.1 | 3.0 |
| W | 2.4 | 2.4 | .7 | | .1 | .2 | | | | | | 7.4 | 4.4 |
| WNW | 1.7 | 2.7 | 2.7 | .7 | | | | | | | | 7.1 | 3.7 |
| NW | 1.7 | 1.7 | 2.7 | 1.2 | .2 | | | | | | | 7.0 | 7.1 |
| NNW | 1.3 | 2.0 | .7 | 1.1 | .1 | | | | | | | 2.2 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 27.3 | 4.8 | 11.1 | 5.7 | .5 | .2 | | | | | | 1.1 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 462

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME FAIRFALL AFB AL YEARS 74-75 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | 4.1 | 2.1 | 2.5 | .6 | | | | | | | | 4.1 | 5.0 |
| NNE | 7.4 | 1.3 | .1 | | | | | | | | | 4.1 | 3.1 |
| NE | 1.2 | .2 | .1 | | | | | | | | | 4.7 | 3.5 |
| ENE | 1.5 | .2 | .7 | | | | | | | | | | 4.1 |
| E | 1.6 | 3.2 | 1.6 | .5 | | | | | | | | 6.0 | 5.6 |
| ESE | .5 | 1.4 | .7 | | | | | | | | | 2.1 | 5.3 |
| SE | .5 | .8 | .5 | .1 | | | | | | | | 1.0 | 3.5 |
| SSE | .7 | .5 | .5 | .1 | .1 | | | | | | | 2.1 | 5.0 |
| S | 1.1 | 1.5 | .2 | | | | | | | | | 2.1 | 4.1 |
| SSW | 1.1 | 1.4 | .5 | .1 | | | | | | | | 1.1 | 4.7 |
| SW | 1.1 | .6 | .1 | | | | | | | | | 1.0 | 3.5 |
| WSW | 1.1 | .1 | .3 | | | | | | | | | 1.0 | 3.5 |
| W | 2.1 | 2.1 | .3 | .5 | | | | | | | | 1.4 | 4.5 |
| WNW | 3.5 | 1.8 | 2.5 | .3 | .1 | | | | | | | 1.1 | 5.4 |
| NW | 1.4 | 2.1 | 1.3 | .7 | .2 | | | | | | | 6.3 | 6.0 |
| NNW | 2.7 | 1.9 | 1.4 | 1.5 | .1 | | | | | | | 1.1 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.4 | |
| | 2.1 | 2.1 | 1.4 | 4.6 | .6 | | | | | | | 11.1 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 476

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION DAWELL AFB AL STATION NAME 7-16 YEARS 1950-1951 MONTH 7-16

CLASS ALL WEATHER HOURS (L.S.T.) 0-24

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 2.7 | 3.4 | 1.7 | .1 | | | | | | | | 2.4 | 4.0 |
| NNE | 5.4 | 1.3 | .9 | .1 | | | | | | | | 1.7 | 5.0 |
| NE | 2.7 | 2.0 | .4 | .1 | | | | | | | | 2.7 | 5.0 |
| ENE | 7.4 | 2.6 | .9 | | | | | | | | | 2.7 | 4.0 |
| E | 1.0 | 2.6 | 2.0 | 1.2 | | | | | | | | 2.0 | 4.0 |
| ESE | .0 | .1 | .1 | | | | | | | | | 1.0 | 3.0 |
| SE | | .4 | .4 | .1 | .1 | | | | | | | 1.0 | 4.0 |
| SSE | .7 | 1.2 | .3 | | | | | | | | | 1.0 | 4.4 |
| S | .0 | 1.6 | .7 | | | | | | | | | 1.0 | 4.7 |
| SSW | .0 | .0 | .3 | | | | | | | | | .0 | 4.0 |
| SW | 1.4 | .0 | .1 | | | | | | | | | 1.4 | 5.4 |
| WSW | 1.0 | .4 | .3 | | | | | | | | | 1.7 | 5.0 |
| W | 2.0 | 1.2 | 2.5 | .7 | | | | | | | | 2.0 | 5.0 |
| WNW | 1.0 | 2.2 | 1.2 | .7 | | | | | | | | 2.0 | 5.0 |
| NW | .0 | 1.6 | 1.4 | .4 | | .3 | | | | | | 2.0 | 5.0 |
| NNW | 1.0 | 2.4 | 1.3 | .5 | | | | | | | | 2.0 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 3.1 | 2.4 | 1.2 | .9 | .1 | .3 | | | | | | 10.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 76

ALABAMA STATE POLICE
 MOBILE
 AIRPORT SERVICE/NAAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOBILE AFB AL STATION NAME 76-05 YEARS 1976-1977
 CLASS ALL WEATHER HOURS (LST) 0000-1900
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 2.4 | 2.6 | 3.0 | | | | | | | | | 2.7 | 3.0 |
| NNE | 2.4 | 2.6 | 1.3 | | | | | | | | | 2.5 | 4.0 |
| NE | 2.4 | 2.6 | 1.7 | .2 | | | | | | | | 2.3 | 4.5 |
| ENE | 3.7 | 2.4 | .2 | .1 | | | | | | | | 7.1 | 4.0 |
| E | 2.2 | 2.5 | 2.1 | 1.2 | | | | | | | | 2.4 | 6.0 |
| ESE | .0 | .3 | 1.1 | .4 | | | | | | | | .7 | 2.7 |
| SE | .7 | .3 | .2 | .2 | | | | | | | | .2 | 2.2 |
| SSE | .0 | .2 | .3 | .1 | | | | | | | | .1 | 1.3 |
| S | 1.2 | 1.1 | 1.4 | .7 | | | | | | | | .4 | 2.2 |
| SSW | 1.2 | 1.3 | 1.1 | .5 | .1 | | | | | | | .4 | 2.2 |
| SW | .0 | .2 | .7 | .5 | | | | | | | | .2 | 2.0 |
| WSW | .0 | 2.1 | 1.4 | .6 | | | | | | | | .4 | 2.0 |
| W | .0 | 2.4 | 2.5 | 1.6 | .2 | | | | | | | .7 | 2.0 |
| WNW | .7 | 1.4 | 1.2 | .3 | .1 | | | | | | | .4 | 7.0 |
| NW | 1.2 | 1.6 | 2.9 | 1.1 | | .1 | | | | | | 1.7 | 7.7 |
| NNW | 1.0 | 2.1 | 1.0 | .7 | | | | | | | | .0 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 25.7 | 27.0 | 5.2 | 5.8 | .5 | .1 | | | | | | 1.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 645

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION MAXWELL AFB AL STATION NAME 70-00 YEARS 1961-1962 MONTH 1-12

CLASS ALL HOURS (L & T) 1-12

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 100

ALCANTARA, MARCH
1964
U.S. AIR FORCE SERVICE CENTER

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PAWELL 103 AL STATION NAME 75-50 YEARS 1950-1964 NORTH 10-17
CLASS ALL
CONDITION ALL
HOURS (LST) 0000-2300

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.1 | 4.1 | 1.4 | .4 | | | | | | | | 1.1 | 5.1 |
| NNE | 2.1 | 1.2 | .1 | .1 | | | | | | | | 1.2 | 4.1 |
| NE | 1.2 | 1.2 | 1.1 | | | | | | | | | 1.2 | 4.1 |
| ENE | 2.2 | 1.2 | .4 | .4 | | | | | | | | 1.2 | 4.1 |
| E | 1.4 | 1.2 | .7 | .7 | | | | | | | | 1.2 | 5.1 |
| ESE | .5 | .7 | 1.5 | .5 | | | | | | | | 1.2 | 7.1 |
| SE | .1 | .7 | .4 | .4 | | | | | | | | 1.2 | 7.1 |
| SSE | .5 | 1.4 | .2 | .5 | .1 | | | | | | | 1.4 | 7.1 |
| S | 1.2 | 1.2 | 1.4 | .7 | | | | | | | | .1 | 6.1 |
| SSW | 1.1 | 1.4 | 1.1 | .7 | .1 | | | | | | | .1 | 6.1 |
| SW | .1 | 1.5 | 1.1 | .6 | .1 | | | | | | | .1 | 6.1 |
| WSW | .1 | 2.1 | 2.4 | .7 | .1 | | | | | | | 1.3 | 6.1 |
| W | .1 | 4.2 | 2.7 | 2.5 | .2 | | | | | | | 11.7 | 7.1 |
| WNW | 1.2 | 1.4 | 2.4 | 1.3 | | | | | | | | 1.7 | 7.1 |
| NW | .1 | 2.1 | 3.2 | .9 | | | | | | | | 1.4 | 7.1 |
| NNW | 1.2 | 2.7 | 3.1 | 1.2 | .1 | | | | | | | 1.7 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.1 | |
| | 2.1 | 31.1 | 24.1 | 11.9 | .8 | | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 47

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 26-11-10-11 STATION NAME 76-5 YEARS 1961 MONTH 1961

CLASS ALL WEATHER

CONDITION

NO. OF HOURS (L.S.T.) 1961

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 4.2 | 2.4 | 1.3 | .6 | | | | | | | | 3.5 | 4.4 |
| NNE | 1.1 | 1.5 | .7 | | | | | | | | | 3.1 | 4.1 |
| NE | 1.2 | 1.1 | | | | | | | | | | 2.3 | 3.4 |
| ENE | 2.3 | .7 | .6 | .4 | | | | | | | | 3.2 | 4.2 |
| E | .7 | 2.3 | 1.1 | .7 | | | | | | | | 4.0 | 4.0 |
| ESE | 1.1 | .7 | .7 | .7 | | | | | | | | 3.7 | 3.7 |
| SE | 1.1 | 1.0 | .2 | .1 | | | | | | | | 2.3 | 4.3 |
| SSE | 2.1 | 1.4 | .4 | .6 | .1 | | | | | | | 4.5 | 3.4 |
| S | 2.1 | 1.2 | 1.1 | .4 | .1 | | | | | | | 5.0 | 3.0 |
| SSW | 1.1 | 1.3 | .7 | | | | | | | | | 3.1 | 4.7 |
| SW | 1.1 | .4 | .1 | | | | | | | | | 1.5 | 3.0 |
| WSW | 2.7 | 1.1 | .1 | .2 | | | | | | | | 4.0 | 3.4 |
| W | 2.1 | 1.4 | 1.2 | .4 | | | | | | | | 5.0 | 3.7 |
| WNW | 1.1 | 1.1 | 1.2 | .7 | .1 | | | | | | | 4.5 | 4.4 |
| NW | 2.1 | 2.9 | .6 | .5 | .4 | .1 | | | | | | 7.0 | 3.0 |
| NNW | 2.2 | 2.1 | 1.4 | .4 | .1 | | | | | | | 7.3 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.4 | 2.3 | 1.5 | 5.6 | .2 | .1 | | | | | | 1.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 1961

U.S. AIR FORCE
 CLIMATE DIVISION
 WASHINGTON, D.C.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION FAIRFALL AFB TX STATION NAME 76-8 YEARS 1951-1952 MONTH 1-12

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 4.2 | 2.7 | 1.5 | .2 | | | | | | | | 1.1 | 4.1 |
| NNE | 2.1 | 1.3 | 1.1 | .1 | | | | | | | | .3 | 3.4 |
| NE | 1.5 | 1.7 | .1 | | | | | | | | | .2 | 2.7 |
| ENE | 1.7 | 1.7 | .4 | .1 | | | | | | | | .2 | 1.4 |
| E | 1.5 | 2.1 | 1.7 | .9 | | | | | | | | .5 | 2.8 |
| ESE | .7 | .1 | .0 | .4 | | | | | | | | .1 | 2.0 |
| SE | .7 | 1.2 | .4 | .1 | | | | | | | | .1 | 4.2 |
| SSE | 1.1 | 1.7 | .5 | .1 | .1 | .1 | | | | | | .2 | 2.0 |
| S | 1.5 | 2.1 | 1.7 | .2 | | | | | | | | .2 | 4.2 |
| SSW | 1.1 | .1 | .5 | | | | | | | | | .1 | 3.4 |
| SW | .5 | 1.2 | .1 | | | | | | | | | .1 | 4.2 |
| WSW | 1.5 | .5 | .7 | | | | | | | | | .1 | 2.4 |
| W | 1.1 | 1.5 | .7 | .5 | | | | | | | | .2 | 3.1 |
| WNW | 1.7 | 1.0 | 1.1 | .2 | .1 | | | | | | | .2 | 2.1 |
| NW | 1.5 | 1.7 | .5 | .7 | .4 | | | | | | | .2 | 3.1 |
| NNW | 2.1 | 2.7 | .5 | 1.1 | | | | | | | | .2 | 2.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.6 | 4.1 | 11.2 | 4.6 | .6 | .1 | | | | | | 1.1 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 100

AL CLIMATOLOGY
 TAC
 SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAXWELL AFB AL STATION NAME 75-44 YEARS 1971 MONTH 12

CLASS ALL WEATHER HOURS (LST) 24

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 2.1 | 2.1 | 1.4 | .2 | | | | | | | | 1.1 | 4.1 |
| NNE | 2.1 | 2.2 | .6 | .2 | | | | | | | | 1.1 | 4.1 |
| NE | 2.2 | 2.4 | .7 | .1 | | | | | | | | 1.1 | 4.1 |
| ENE | 1.2 | 2.1 | .7 | .2 | | | | | | | | 1.1 | 4.1 |
| E | 1.2 | 2.4 | 2.1 | .2 | | | | | | | | 1.1 | 4.1 |
| ESE | .2 | .4 | .4 | .5 | .1 | | | | | | | 1.1 | 4.1 |
| SE | 1.2 | .7 | .5 | .7 | | | | | | | | 1.1 | 4.1 |
| SSE | 1.4 | 1.6 | 1.2 | .1 | | | | | | | | 1.1 | 4.1 |
| S | .2 | 2.1 | 1.2 | .6 | | | | | | | | 4.7 | 4.1 |
| SSW | 2.2 | .9 | .5 | .5 | | | | | | | | 1.1 | 4.1 |
| SW | 1.5 | .2 | .2 | .2 | | | | | | | | 1.1 | 4.7 |
| WSW | .2 | .5 | .5 | .1 | | | | | | | | 1.1 | 4.4 |
| W | 1.2 | 1.2 | 2.2 | .7 | | | | | | | | 1.1 | 4.1 |
| WNW | .2 | 1.7 | 2.4 | .7 | | | | | | | | 1.1 | 7.1 |
| NW | 1.2 | 1.2 | .5 | .7 | .1 | | | | | | | 1.1 | 4.1 |
| NNW | .2 | 1.2 | 1.5 | .6 | | | | | | | | 1.1 | 4.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.2 | 3.3 | 16.7 | 3 | .2 | | | | | | | 1.1 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 75-14 STATION NAME 75-14 YEARS 75-14 MONTH 75-14

CLASS ALL WEATHER HOURS (L.S.T.) 75-14

CONDITION 75-14

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | 1.4 | 2.7 | 1.4 | .4 | .1 | | | | | | | | |
| NNE | 1.1 | 2.4 | 1.4 | .2 | | | | | | | | | |
| NE | 1.3 | 1.4 | | | | | | | | | | | |
| ENE | 1.4 | 2.4 | 1.4 | .1 | | | | | | | | | |
| E | 1.4 | 2.4 | 1.4 | .5 | | | | | | | | | |
| ESE | 1.4 | 1.4 | 1.4 | .5 | .1 | | | | | | | | |
| SE | 1.4 | 1.4 | 1.4 | .4 | .1 | | | | | | | | |
| SSE | 1.4 | 1.4 | 1.4 | 1.2 | .1 | | | | | | | | |
| S | 1.1 | 2.4 | 2.4 | 1.1 | | | | | | | | | |
| SSW | 1.4 | 1.1 | 2.4 | .3 | | | | | | | | | |
| SW | 1.4 | 1.4 | 1.1 | .2 | | | | | | | | | |
| WSW | 1.4 | 1.4 | 2.4 | 1.5 | .1 | | | | | | | | |
| W | 1.4 | 2.4 | 2.4 | 1.4 | .1 | | | | | | | | |
| WNW | 1.4 | 1.4 | 2.4 | 1.3 | .1 | | | | | | | | |
| NW | 1.4 | 1.4 | 1.4 | 1.3 | .1 | | | | | | | | |
| NNW | 1.4 | .3 | 2.4 | .2 | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 75-14

U.S. AIR FORCE
 OFFICE OF
 SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALL WEATHER STATION NAME 75-54 YEARS 1954 NORTH 19-14
 CLASS ALL WEATHER
 HOURS (L & T) 19-14
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.1 | 2.4 | 2.1 | .5 | | | | | | | | 1.1 | 2.1 |
| NNE | 1.1 | 1.4 | 1.2 | .1 | | | | | | | | 1.1 | 2.1 |
| NE | 1.1 | 1.2 | .5 | | | | | | | | | 1.1 | 2.1 |
| ENE | 1.1 | 1.2 | .7 | .1 | | | | | | | | 1.1 | 2.1 |
| E | 1.1 | 2.2 | 1.2 | .3 | | | | | | | | 1.1 | 2.1 |
| ESE | 1.1 | 1.1 | 1.2 | .3 | | | | | | | | 1.1 | 2.1 |
| SE | 1.1 | 1.1 | .7 | .5 | .1 | | | | | | | 1.1 | 2.1 |
| SSE | 1.1 | 1.2 | 1.5 | 1.0 | .3 | | | | | | | 1.1 | 2.1 |
| S | 1.1 | 1.1 | 3.7 | 2.5 | .2 | | | | | | | 1.1 | 2.1 |
| SSW | 1.1 | 2.5 | 3.4 | 1.2 | .3 | | | | | | | 1.1 | 2.1 |
| SW | 1.1 | 2.3 | 1.5 | .5 | .3 | | | | | | | 1.1 | 2.1 |
| WSW | 1.1 | 2.3 | 2.2 | 1.4 | .1 | | | | | | | 1.1 | 2.1 |
| W | 2.1 | 1.1 | 4.2 | 1.5 | .2 | .2 | | | | | | 1.1 | 2.1 |
| WNW | 1.1 | 1.4 | 1.7 | 1.0 | .2 | .1 | | | | | | 1.1 | 2.1 |
| NW | 1.1 | 1.2 | 2.4 | 1.2 | .4 | | | | | | | 1.1 | 2.1 |
| NNW | 1.1 | 1.2 | 2.2 | 1.1 | .2 | | | | | | | 1.1 | 2.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.1 | 2.3 | 3.2 | 1.4 | 2.5 | .2 | | | | | | 1.1 | 2.1 |

TOTAL NUMBER OF OBSERVATIONS 1954

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 75-14 STATION NAME 75-14 YEARS 1954 NORTH 1-17
CLASS ALL WEATHER HOURS (L.S.T.) 1-17
CONDITION

| SPEED KNTS: DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----------------------|
| N | 1.0 | 4.0 | 2.0 | 1.0 | | | | | | | | 2.0 | 6.0 |
| NNE | 1.0 | 1.0 | 1.0 | | | | | | | | | 1.0 | 4.0 |
| NE | 1.0 | 1.0 | 2.0 | 1.0 | | | | | | | | 1.0 | 4.0 |
| ENE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 4.0 |
| E | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 4.0 |
| ESE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 4.0 |
| SE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 4.0 |
| SSE | 1.0 | 1.0 | 2.0 | 1.0 | | | | | | | | 1.0 | 4.0 |
| S | 1.0 | 2.0 | 4.0 | 1.0 | 1.0 | | | | | | | 1.0 | 4.0 |
| SSW | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | | 1.0 | 4.0 |
| SW | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 4.0 |
| WSW | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 4.0 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 4.0 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 4.0 |
| NW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 4.0 |
| NNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 4.0 |
| VARBL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 4.0 |
| CALM | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | | |
|---------|--------------|-------|-------------|
| STATION | STATION NAME | YEARS | MONTH |
| | ALL | | |
| | CLASS | | HOURS (LST) |
| | CONDITION | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (LST) _____
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

| STATION | STATION NAME | YEARS | MOUTH |
|---------|--------------|-------|----------------|
| | ALL | | HOURS (L.S.T.) |
| | CLASS | | |
| | CONDITION | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.0 | 1.3 | 0.0 | 0.3 | | | | | | | | 0.0 | 0.0 |
| NNE | 1.0 | 1.1 | 0.0 | 0.0 | | | | | | | | 0.0 | 0.0 |
| NE | 1.0 | 1.0 | 0.0 | 0.0 | | | | | | | | 0.0 | 0.0 |
| ENE | 1.0 | 1.0 | 0.1 | 0.1 | | | | | | | | 0.0 | 0.0 |
| E | 1.2 | 1.1 | 0.0 | 0.0 | | | | | | | | 0.0 | 0.0 |
| ESE | | 0.7 | 0.1 | | 0.1 | | | | | | | 1.7 | 0.1 |
| SE | 1.4 | 0.2 | 0.2 | 0.2 | | | | | | | | 0.0 | 0.0 |
| SSE | 1.1 | 1.2 | 0.0 | 0.2 | | | | | | | | 0.0 | 0.0 |
| S | 4.1 | 3.6 | 1.5 | 0.2 | | | | | | | | 0.0 | 0.0 |
| SSW | 1.1 | 1.6 | 0.1 | 0.1 | | | | | | | | 0.0 | 0.0 |
| SW | 1.2 | 0.0 | 0.1 | 0.0 | | | | | | | | 0.0 | 0.0 |
| WSW | 2.0 | 0.0 | 0.2 | 0.0 | | | | | | | | 0.0 | 0.0 |
| W | 3.0 | 1.4 | 0.4 | 0.0 | | | | | | | | 0.0 | 0.0 |
| WNW | 1.2 | 1.3 | 0.2 | 0.1 | | | | | | | | 0.0 | 0.0 |
| NW | 1.1 | 0.0 | 0.2 | 0.0 | | | | | | | | 1.0 | 0.0 |
| NNW | 1.0 | 1.3 | 0.1 | 0.0 | | | | | | | | 0.0 | 0.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.0 | |
| | 2.8 | 2.3 | 2.5 | 1.1 | 1.0 | | | | | | | 1.0 | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L.S.T.) _____
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | 1.2 | 2.7 | 1.2 | .5 | | | | | | | | | |
| NNE | 1.2 | 1.2 | .5 | | .1 | | | | | | | | |
| NE | 1.2 | 1.2 | .5 | | | | | | | | | | |
| ENE | 1.2 | 1.2 | .5 | .1 | | | | | | | | | |
| E | 1.2 | .5 | .5 | .1 | | | .1 | | | | | | |
| ESE | .5 | .5 | .5 | | | | | | | | | | |
| SE | | 1.2 | .5 | | | | | | | | | | |
| SSE | 1.2 | 1.2 | 1.1 | .1 | | | | | | | | | |
| S | 1.2 | 3.2 | 2.3 | 1.1 | | | | | | | | | |
| SSW | 1.2 | 3.4 | 2.2 | .4 | | | | | | | | | |
| SW | 1.2 | 3.2 | 1.6 | .1 | | | | | | | | | |
| WSW | 1.2 | 3.7 | 1.3 | .3 | | | | | | | | | |
| W | 1.2 | 4.2 | 2.2 | .6 | | | | | | | | | |
| WNW | 1.2 | 2.3 | 1.2 | .3 | | | | | | | | | |
| NW | 1.1 | .5 | 1.2 | .2 | | | | | | | | | |
| NNW | .5 | 2.2 | 1.2 | .1 | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 3.2 | 3.2 | 1.4 | 4.2 | .1 | | .1 | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION AXWELL AIR AL STATION NAME AXWELL YEARS 1954 MONTH 12

CLASS ALL WEATHER HOUSE (L.S.T.) 10-1

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 1.1 | 3.4 | 1.2 | .2 | | | | | | | | .4 | 4.3 |
| NNE | 1.4 | 2.7 | .3 | .1 | | | | | | | | .1 | 4.2 |
| NE | 1.1 | 1.4 | .4 | .1 | | | | | | | | | 4.1 |
| ENE | 1.1 | 2.2 | .5 | | | | | | | | | .4 | 4.0 |
| E | 1.1 | 1.4 | .5 | | | | | | | | | .4 | 4.0 |
| ESE | 1.1 | 1.4 | | .1 | | | | | | | | .1 | 4.0 |
| SE | .7 | 1.0 | .4 | .1 | | | | | | | | .1 | 3.9 |
| SSE | 1.1 | 2.0 | 1.4 | .6 | | | | | | | | .6 | 3.8 |
| S | 2.4 | 4.6 | 1.1 | 1.1 | .1 | | | | | | | 11.0 | 3.8 |
| SSW | 1.1 | 3.3 | 2.3 | .2 | | | | | | | | .2 | 3.4 |
| SW | 1.2 | 2.4 | 1.2 | .2 | | | | | | | | .4 | 3.4 |
| WSW | 1.1 | 3.2 | 2.0 | .2 | | | | | | | | .7 | 3.4 |
| W | 1.3 | 4.7 | 3.5 | .5 | | .1 | | | | | | 1.0 | 3.1 |
| WNW | .1 | 1.6 | 2.0 | .4 | | | | | | | | .7 | 3.0 |
| NW | .1 | 1.0 | .5 | .4 | | | | | | | | .1 | 3.0 |
| NNW | 1.2 | 2.4 | 1.5 | .2 | | | | | | | | .1 | 3.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.4 | 4.2 | 3.4 | 2.3 | .1 | .1 | | | | | | 11.1 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 100

RECEIVED AT: HANCH

DATE: 25 MAR 74

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALL WEATHER STATION NAME 74-1 YEARS 1-1 MONTH 1-1

CLASS ALL WEATHER

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 1.0 | 1.2 | .2 | | | | | | | | 4.0 | 4.0 |
| NNE | 1.0 | 1.0 | .5 | | | | | | | | | 3.0 | 3.0 |
| NE | 1.0 | 1.0 | .2 | .1 | | | | | | | | 4.0 | 4.0 |
| ENE | 4.0 | 3.2 | .2 | | | | | | | | | 3.0 | 3.0 |
| E | 3.4 | 3.0 | .6 | | | | | | | | | 7.0 | 3.0 |
| ESE | .2 | 1.0 | 1.1 | | | | | | | | | 2.0 | 3.0 |
| SE | .2 | .2 | 1.1 | | | | | | | | | 2.0 | 3.0 |
| SSE | 1.0 | 2.0 | 1.4 | .6 | | | | | | | | 3.0 | 3.0 |
| S | 1.0 | 3.4 | 2.2 | 1.0 | | | | | | | | 3.0 | 3.0 |
| SSW | 1.0 | 2.0 | 1.6 | .8 | | | | | | | | 3.0 | 3.0 |
| SW | 2.0 | 1.2 | .2 | .1 | .1 | | | | | | | 4.0 | 4.0 |
| WSW | 1.0 | 2.0 | 1.7 | .3 | | | | | | | | 3.0 | 3.0 |
| W | 1.0 | 3.0 | 2.2 | .2 | .1 | | | | | | | 7.0 | 3.0 |
| WNW | .2 | 1.0 | 1.2 | .1 | | | | | | | | 3.0 | 3.0 |
| NW | .2 | 1.0 | 1.0 | .2 | | | | | | | | 3.0 | 3.0 |
| NNW | 1.0 | 1.1 | .2 | .1 | | | | | | | | 3.0 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 32.0 | 34.6 | 18.8 | 3.8 | .2 | | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS ALL WEATHER

CONDITION

HOURE (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | 1.6 | .1 | .2 | | | | | | | | | |
| NNE | 4.1 | 1.1 | .2 | | | | | | | | | | |
| NE | 4.2 | 1.3 | .3 | | | | | | | | | | |
| ENE | 1.7 | 1.6 | .1 | | | | | | | | | | |
| E | .3 | 2.5 | .5 | | | | | | | | | | |
| ESE | .4 | 1.2 | .6 | | | | | | | | | | |
| SE | 1.1 | 1.7 | .2 | | | | | | | | | | |
| SSE | 2.2 | 1.5 | 1.2 | | | | | | | | | | |
| S | 2.4 | 1.9 | 1.3 | .2 | .1 | | | | | | | | |
| SSW | 1.2 | 1.2 | .3 | .1 | | | | | | | | | |
| SW | 1.2 | 1.0 | | | | | | | | | | | |
| WSW | 1.2 | 1.0 | | | | | | | | | | | |
| W | 1.6 | 2.0 | .4 | | | | | | | | | | |
| WNW | 1.3 | 1.4 | .5 | .1 | .1 | | | | | | | | |
| NW | 1.4 | .6 | .9 | .1 | | | | | | | | | |
| NNW | .5 | .4 | .2 | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 12.1 | 27.4 | 8.7 | .8 | .7 | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 AIR FORCE
 AIR FORCE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAXWELL AFB AL STATION NAME 7E75-04 YEARS 1954-1955 MONTH 1954-1955
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.3 | | | | | | | | | | | 1.3 | 1.3 |
| NNE | 1.4 | 1.4 | | | | | | | | | | 7.0 | 2.4 |
| NE | 1.4 | 1.4 | | | | | | | | | | 7.0 | 2.4 |
| ENE | 1.4 | 1.4 | 1.4 | | | | | | | | | 7.0 | 3.0 |
| E | | 1.4 | 1.4 | | | | | | | | | 7.0 | 4.0 |
| ESE | | 1.4 | 1.4 | | | | | | | | | 7.0 | 3.0 |
| SE | 1.4 | 1.4 | | | | | | | | | | 7.0 | 3.1 |
| SSE | 1.4 | 1.4 | 1.4 | | | | | | | | | 7.0 | 3.4 |
| S | 1.4 | 1.4 | 1.4 | | | | | | | | | 7.0 | 2.6 |
| SSW | 1.4 | 1.4 | 1.4 | | | | | | | | | 7.0 | 4.4 |
| SW | | 1.4 | 1.4 | | | | | | | | | 7.0 | 7.0 |
| WSW | 1.4 | 1.4 | 1.4 | | | | | | | | | 7.0 | 2.4 |
| W | 1.4 | 1.4 | 1.4 | | | | | | | | | 7.0 | 3.0 |
| WNW | | 1.4 | 1.4 | | | | | | | | | 7.0 | 4.0 |
| NW | | 1.4 | 1.4 | | | | | | | | | 7.0 | 3.0 |
| NNW | | 1.4 | 1.4 | | | | | | | | | 7.0 | 3.0 |
| VARBL | | | | | | | | | | | | 7.0 | 3.0 |
| CALM | | | | | | | | | | | | 7.0 | |
| | 1.4 | 1.4 | 2.7 | | | | | | | | | 7.0 | 1.4 |

TOTAL NUMBER OF OBSERVATIONS 117

ALBANY, NEW YORK
 1954
 1955

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALBANY, NEW YORK STATION NAME ALBANY, NEW YORK YEARS 1954-1955 MONTH ALL MONTHS
 CLASS ALL MONTHS HOURS (L & T) ALL MONTHS
 CONDITION ALL MONTHS

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 0.0 | 1.0 | 1.4 | | | | | | | | | 0.0 | 0.0 |
| NNE | 0.0 | 1.0 | 1.4 | | | | | | | | | 0.0 | 0.0 |
| NE | 1.0 | 0.0 | 0.1 | | | | | | | | | 0.0 | 0.0 |
| ENE | 0.1 | 1.0 | 1.4 | | | | | | | | | 0.0 | 0.0 |
| E | 1.0 | 1.0 | 1.4 | 0.1 | | | | | | | | 0.0 | 0.0 |
| ESE | 0.1 | 0.1 | 0.4 | 0.3 | | | | | | | | 0.0 | 0.0 |
| SE | 1.0 | 1.7 | 1.0 | 0.1 | 0.1 | | | | | | | 0.0 | 0.0 |
| SSE | 1.0 | 1.0 | 1.0 | 0.2 | | 0.1 | | | | | | 0.0 | 0.0 |
| S | 0.1 | 0.5 | 3.6 | 0.5 | | 0.1 | | | | | | 0.0 | 0.0 |
| SSW | 1.0 | 1.0 | 0.0 | 0.2 | 0.1 | | | | | | | 0.0 | 0.0 |
| SW | 1.0 | 0.5 | 0.1 | | | | | | | | | 0.0 | 0.0 |
| WSW | 1.0 | 0.7 | 0.1 | 0.1 | | | | | | | | 0.0 | 0.0 |
| W | 2.0 | 1.0 | 0.4 | | | | | | | | | 0.0 | 0.0 |
| WNW | 1.0 | 1.0 | 0.4 | | | | | | | | | 0.0 | 0.0 |
| NW | 1.0 | 1.0 | 0.4 | 0.1 | | | | | | | | 0.0 | 0.0 |
| NNW | 1.0 | 1.0 | 0.1 | | 0.1 | | | | | | | 0.0 | 0.0 |
| VARBL | | | | | | | | | | | | 0.0 | 0.0 |
| CALM | | | | | | | | | | | | 0.0 | 0.0 |
| | 24.0 | 24.0 | 11.1 | 1.8 | 0.4 | 0.3 | | | | | | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS 171

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

MONTANA

ALL-PALE
CLASS

NOV 28 (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 2.4 | 2.3 | .2 | | | | | | | | | 5.7 | 4.0 |
| NNE | .2 | .2 | .2 | | | | | | | | | 2.7 | 3.2 |
| NE | .2 | .1 | .1 | | | | | | | | | 1.3 | 2.2 |
| ENE | 1.2 | .5 | .1 | | | | | | | | | 1.2 | 3.4 |
| E | 1.5 | 2.2 | .2 | | | | | | | | | 4.4 | 4.0 |
| ESE | 1.1 | 1.3 | .6 | | | | | | | | | 3.2 | 4.3 |
| SE | .2 | 1.2 | .7 | .1 | | | | | | | | 3.1 | 5.1 |
| SSE | 1.2 | 3.1 | 1.2 | .6 | | | | | | | | 4.3 | 5.6 |
| S | 4.2 | 3.4 | 2.6 | .8 | | .1 | | | | | | 11.1 | 5.1 |
| SSW | 2.1 | 1.5 | 1.7 | .3 | | | | | | | | 5.4 | 4.0 |
| SW | 2.2 | .2 | | | | | | | | | | 2.4 | 2.1 |
| WSW | 2.2 | 1.2 | .1 | | | | | | | | | 4.2 | 2.2 |
| W | 5.1 | 2.7 | .2 | .2 | | | | | | | | 7.4 | 4.2 |
| WNW | 1.2 | 2.5 | .6 | .3 | | | | | | | | 4.2 | 2.1 |
| NW | 1.2 | .7 | .2 | .2 | | | | | | | | 3.2 | 2.3 |
| NNW | 1.2 | 2.3 | 1.2 | .1 | | | | | | | | 3.2 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.3 | |
| | 15.2 | 26.4 | 12.1 | 2.2 | | .1 | | | | | | 12.3 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 75-04 STATION NAME CASSELL AFB AL YEARS 75-04 MONTH 12
CLASS ALL WEATHER HOURS (L.S.T.) 0000-2300
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.0 | 2.0 | 1.0 | .4 | | | | | | | | 0.0 | 1.0 |
| NNE | 1.0 | .2 | .1 | | | | | | | | | 0.0 | 1.0 |
| NE | .0 | .4 | .2 | | | | | | | | | 0.0 | 1.0 |
| ENE | 1.0 | 1.2 | | | | | | | | | | 0.0 | 1.0 |
| E | 1.0 | 2.4 | 1.7 | | | | | | | | | 0.0 | 1.0 |
| ESE | .7 | 1.7 | 1.3 | .2 | | | | | | | | 0.0 | 1.0 |
| SE | .0 | 1.2 | .0 | .4 | | | | | | | | 0.0 | 1.0 |
| SSE | .0 | 1.4 | 1.0 | .4 | | | | | | | | 0.0 | 1.0 |
| S | 1.0 | 1.0 | 4.2 | 2.4 | .4 | | | | | | | 1.0 | 1.0 |
| SSW | 1.0 | 3.7 | 2.2 | 1.0 | | | | | | | | 1.0 | 1.0 |
| SW | 1.1 | 1.0 | 1.3 | .4 | | | | | | | | 1.0 | 1.0 |
| WSW | 1.0 | 2.1 | 4.2 | .9 | | | | | | | | 1.0 | 1.0 |
| W | 1.4 | 2.2 | 4.1 | 1.4 | .2 | | | | | | | 1.0 | 1.0 |
| WNW | .0 | 1.2 | 2.1 | .2 | | | | | | | | 0.0 | 1.0 |
| NW | .0 | 1.2 | 1.0 | .4 | | | | | | | | 0.0 | 1.0 |
| NNW | 1.1 | 2.0 | 2.2 | .3 | | | | | | | | 0.0 | 1.0 |
| VARBL | | | | | | | | | | | | 0.0 | 1.0 |
| CALM | | | | | | | | | | | | 0.0 | 1.0 |
| | 10.7 | 11.9 | 20.6 | 5.5 | .7 | | | | | | | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME WALLACE YEARS 75-76 MONTH ALL

CLASS ALL WEATHER

CONDITION

HOURLS (L.S.T.) 1-14

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|----|-----------------|
| N | .2 | .2 | .2 | | | | | | | | | .3 | 3.0 |
| NNE | 1.0 | 1.0 | .3 | .1 | | | | | | | | .4 | 4.0 |
| NE | 1.7 | 1.2 | .4 | .1 | | | | | | | | .4 | 4.0 |
| ENE | .2 | .2 | .2 | | | | | | | | | .4 | 4.0 |
| E | 1.4 | .2 | 1.0 | | | | | | | | | .4 | 4.0 |
| ESE | .7 | 1.4 | 1.2 | | | | | | | | | .4 | 4.0 |
| SE | .7 | 1.4 | 1.7 | .1 | | | | | | | | .4 | 4.0 |
| SSE | 1.7 | 1.7 | 1.9 | 1.1 | | | | | | | | .4 | 4.0 |
| S | .2 | .2 | 3.3 | 1.8 | .4 | .1 | | | | | | .4 | 4.0 |
| SSW | 1.2 | .3 | 4.2 | 1.2 | | | | | | | | .4 | 4.0 |
| SW | .3 | .7 | 1.4 | .6 | | | | | | | | .4 | 4.0 |
| WSW | 1.4 | 1.4 | 3.0 | .6 | | | | | | | | .4 | 4.0 |
| W | .4 | .4 | 5.2 | .6 | .2 | .1 | | | | | | .4 | 4.0 |
| WNW | 1.1 | .4 | 2.2 | .2 | | | | | | | | .4 | 4.0 |
| NW | .4 | 1.6 | 2.3 | .4 | | | | | | | | .4 | 4.0 |
| NNW | .4 | 1.6 | 2.3 | .9 | | | | | | | | .4 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 3.1 | 17.2 | 1.0 | .7 | .2 | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 14

U.S. AIR FORCE
AF TAC
METEOROLOGICAL SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WALLACE AFB AL STATION NAME 75-04 YEARS 1950-1954 MONTH ALL

CLASS ALL WEATHER

CONDITION ALL

HOURS (L & T) 00-24

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1.0 | 1.3 | | | | | | | | | 4.7 | 5.0 |
| NNE | 2.0 | 2.2 | .8 | | | | | | | | | 1.0 | 3.0 |
| NE | 2.7 | 2.3 | .2 | | | | | | | | | 2.0 | 3.0 |
| ENE | 4.4 | 2.0 | .6 | .1 | | | | | | | | 1.1 | 3.7 |
| E | 1.0 | 3.0 | 1.3 | .2 | | | | | | | | 1.0 | 3.1 |
| ESE | .7 | 1.7 | 1.0 | | | | | | | | | 1.2 | 2.2 |
| SE | .7 | 2.0 | 1.7 | .1 | | | | | | | | 4.1 | 2.0 |
| SSE | 1.1 | 2.1 | 2.6 | .8 | | | | | | | | 2.6 | 2.9 |
| S | 1.4 | 2.9 | 2.7 | 1.2 | | | | | | | | 7.0 | 6.0 |
| SSW | 1.1 | 1.7 | 2.2 | .3 | | | | | | | | 2.0 | 4.0 |
| SW | .4 | 1.7 | 2.2 | .3 | | | | | | | | 4.7 | 6.0 |
| WSW | 1.2 | 2.4 | 2.3 | .3 | | | | | | | | 7.2 | 3.0 |
| W | 1.7 | 3.6 | 3.7 | 1.6 | .2 | | | | | | | 1.0 | 7.0 |
| WNW | .4 | 1.3 | 1.4 | .2 | | | | | | | | 4.0 | 4.0 |
| NW | .0 | 1.7 | 1.3 | 1.2 | | | | | | | | 4.0 | 7.0 |
| NNW | .2 | 1.2 | 1.1 | .7 | | | | | | | | 2.0 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 22.7 | 30.3 | 44.7 | 7.3 | .2 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 600

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SAFARI STATION STATION NAME SAFARI STATION YEARS 1964 MONTH 12

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) 0000-2359

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.2 | 1.2 | 1.2 | | | | | | | | | 1.2 | 4.0 |
| NNE | 4.2 | 4.2 | 1.2 | | | | | | | | | 1.2 | 5.0 |
| NE | 3.2 | 2.2 | 1.2 | | | | | | | | | 1.2 | 5.0 |
| ENE | 1.4 | 2.2 | 1.2 | | | | | | | | | 1.2 | 4.0 |
| E | 1.2 | 2.2 | 1.2 | | | | | | | | | 1.2 | 4.0 |
| ESE | 1.2 | 1.2 | 1.2 | | | | | | | | | 1.2 | 4.0 |
| SE | 1.2 | 2.2 | 1.2 | 1.2 | 1.2 | | | | | | | 1.2 | 5.0 |
| SSE | 1.2 | 1.2 | 1.2 | 1.2 | | | | | | | | 1.2 | 5.0 |
| S | 1.2 | 2.2 | 1.2 | 1.2 | | | | | | | | 1.2 | 5.0 |
| SSW | 1.2 | 1.2 | 1.2 | 1.2 | | 1.2 | | | | | | 1.2 | 5.0 |
| SW | 1.2 | 1.2 | 1.2 | 1.2 | | | | | | | | 1.2 | 5.0 |
| WSW | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | | | | | | | 1.2 | 5.0 |
| W | 1.2 | 1.2 | 2.2 | 1.2 | 1.2 | | | | | | | 1.2 | 5.0 |
| WNW | 1.2 | 1.2 | 1.2 | 1.2 | | | | | | | | 1.2 | 5.0 |
| NW | 1.2 | 1.2 | 1.2 | 1.2 | | | | | | | | 1.2 | 5.0 |
| NNW | 1.2 | 1.2 | 1.2 | 1.2 | | | | | | | | 1.2 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 75-04 STATION NAME ALL WEATHER YEARS 1961-1962 MONTH 1961-1962

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.7 | 2.2 | 2.2 | | | | | | | | | 1.7 | 2.2 |
| NNE | 1.7 | 2.2 | 2.2 | | | | | | | | | 1.7 | 2.2 |
| NE | 1.7 | 2.2 | 2.2 | | | | | | | | | 1.7 | 2.2 |
| ENE | 1.7 | 2.2 | 2.2 | 2.2 | | | | | | | | 1.7 | 2.2 |
| E | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | | | | | | | 1.7 | 2.2 |
| ESE | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | | | | | | 1.7 | 2.2 |
| SE | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | | | | | 1.7 | 2.2 |
| SSE | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | | | | 1.7 | 2.2 |
| S | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | | | 1.7 | 2.2 |
| SSW | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | | 1.7 | 2.2 |
| SW | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 2.2 |
| WSW | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 2.2 |
| W | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 2.2 |
| WNW | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 2.2 |
| NW | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 2.2 |
| NNW | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 2.2 |
| VARBL | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 2.2 |
| CALM | 1.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.7 | 2.2 |

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
 AFMPC
 U.S. AIR FORCE SERVICE ACADEMY

SURFACE WIND

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAXWELL AFB AL STATION NAME 75-7074-04 YEARS 1975 NORTH 100

CLASS ALL WEATHER

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEA WIN SPEE |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|--------------------|
| N | 2.1 | 1.4 | 0.5 | | | | | | | | | 4.0 | 2 |
| NNE | 1.1 | 0.7 | | | | | | | | | | 1.8 | 2 |
| NE | 2.7 | 1.0 | | | | | | | | | | 3.7 | 2 |
| ENE | 0.2 | 1.0 | | | | | | | | | | 1.2 | 2 |
| E | 1.2 | 1.4 | 0.5 | | | | | | | | | 3.1 | 4 |
| ESE | 0.2 | | | | | | | | | | | 0.2 | 1 |
| SE | 0.2 | 0.2 | | | | | | | | | | 0.4 | 2 |
| SSE | 1.4 | 1.4 | | | | | | | | | | 2.8 | 2 |
| S | 0.2 | 0.2 | | | | | | | | | | 0.4 | 2 |
| SSW | 1.2 | 0.5 | | | | | | | | | | 1.7 | 2 |
| SW | 2.2 | 1.0 | | | | | | | | | | 3.2 | 2 |
| WSW | 1.4 | | | | | | | | | | | 1.4 | 1 |
| W | 1.4 | | | | | | | | | | | 1.4 | 1 |
| WNW | 0.2 | | | | | | | | | | | 0.2 | 2 |
| NW | 0.2 | | | | | | | | | | | 0.2 | 2 |
| NNW | 0.2 | | | | | | | | | | | 0.2 | 2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 57.1 | 6.9 | 0.2 | | | | | | | | | 64.2 | 1 |

TOTAL NUMBER OF OBSERVATIONS 100

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

| STATION | STATION NAME | YEARS | MONTH |
|---------|--------------|-------|----------------|
| | ALL STATION | | 1-70 |
| | CLASS | | HOURS (L.S.T.) |
| | CONDITION | | |

[illegible]

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 USAFETAC
 AIRCRAFT SERVICE/MAIL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WALLA WALLA STATION NAME 75-24 YEARS 1950-1954 MONTH 1-12
 CLASS ALL WEATHER
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 4.2 | 2.2 | .3 | | | | | | | | | 2.2 | 3.7 |
| NNE | 3.2 | 2.2 | .2 | | | | | | | | | 2.2 | 3.4 |
| NE | 3.2 | 2.7 | .3 | | | | | | | | | 3.2 | 3.6 |
| ENE | 3.4 | 1.2 | 1.2 | | | | | | | | | 3.4 | 3.2 |
| E | 3.2 | 1.3 | 1.1 | | | | | | | | | 3.2 | 3.2 |
| ESE | .3 | 1.2 | .5 | | | | | | | | | .3 | 3.3 |
| SE | 1.2 | 1.7 | .5 | | | | | | | | | 1.2 | 4.2 |
| SSE | 1.2 | 1.5 | .2 | | | | | | | | | 1.2 | 3.2 |
| S | 2.2 | 1.7 | .6 | | | | | | | | | 2.2 | 4.2 |
| SSW | 2.2 | 2.8 | 1.2 | | | | | | | | | 2.2 | 4.2 |
| SW | 1.2 | 2.2 | .7 | | | | | | | | | 1.2 | 4.2 |
| WSW | 2.2 | 3.7 | 1.5 | | | | | | | | | 2.2 | 4.2 |
| W | 3.4 | 5.2 | 2.5 | | | | | | | | | 11.7 | 4.2 |
| WNW | 1.1 | 2.2 | .4 | | | | | | | | | 1.1 | 3.2 |
| NW | .2 | 1.2 | .1 | | | | | | | | | .2 | 3.2 |
| NNW | 1.1 | 1.1 | .1 | .2 | | | | | | | | 1.1 | 3.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 40.2 | 77.3 | 11.3 | .2 | | | | | | | | 14.2 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS 142

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME 75-64 YEARS 1-14

CLASS ALL WEATHER

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 1.1 | 3.1 | 1.1 | | | | | | | | | 7.1 | 4.1 |
| NNE | 2.1 | 3.1 | 1.2 | .1 | | | | | | | | 2.1 | 4.1 |
| NE | 1.1 | 1.1 | .1 | | | | | | | | | .1 | 3.1 |
| ENE | 2.1 | 3.1 | .7 | .1 | | | | | | | | .1 | 4.1 |
| E | 1.1 | 3.1 | .4 | | | | | | | | | .1 | 4.1 |
| ESE | 1.1 | 1.1 | .1 | .1 | | | | | | | | .1 | 4.1 |
| SE | | 1.1 | .1 | | | | | | | | | .1 | 4.1 |
| SSE | | 1.1 | .1 | .2 | | | | | | | | .1 | 4.1 |
| S | 1.1 | 3.1 | 2.1 | .2 | | | | | | | | 7.1 | 5.1 |
| SSW | 1.1 | 2.1 | 1.1 | | | | | | | | | .1 | 5.1 |
| SW | 1.1 | 3.1 | 1.1 | | | | | | | | | .1 | 5.1 |
| WSW | 2.1 | 4.1 | 3.1 | | | | | | | | | .1 | 5.1 |
| W | 2.1 | 6.1 | 3.1 | | | | | | | | | 11.1 | 5.1 |
| WNW | 1.1 | 2.1 | 1.1 | .2 | | | | | | | | .1 | 5.1 |
| NW | 1.1 | 1.1 | 1.1 | .1 | | | | | | | | 1.1 | 4.1 |
| NNW | 1.1 | 1.1 | .7 | .1 | | | | | | | | .1 | 3.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 3.1 | 4.1 | 1.1 | 1.1 | | | | | | | | 1.1 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
 WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PAWILL AFB AL STATION NAME PAWILL AFB AL YEARS 75-76 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-1700
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.0 | 1.7 | 1.0 | 1.0 | | | | | | | | 1.0 | 1.0 |
| NNE | 1.0 | 1.0 | 1.0 | | | | | | | | | 1.0 | 1.0 |
| NE | 1.0 | 1.0 | 1.0 | | | | | | | | | 1.0 | 1.0 |
| ENE | 1.0 | 1.0 | 1.0 | | | | | | | | | 1.0 | 1.0 |
| E | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 1.0 |
| ESE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 1.0 |
| SE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 1.0 |
| SSE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 1.0 |
| S | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 1.0 |
| SSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 1.0 |
| SW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 1.0 |
| WSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.0 | 1.0 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 1.0 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 1.0 |
| NW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 1.0 | 1.0 |
| NNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 1.0 | 1.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION AX-LL AL AL STATION NAME 7-54 YEARS 1954 MONTH 1
 CLASS ALL WEATHER HOURS (L.B.T.) 24
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | .2 | .4 | .4 | | .1 | | | | | | | .6 | 3.0 |
| NNE | .2 | .4 | .1 | | | | | | | | | .6 | 2.7 |
| NE | .1 | .3 | | | | | | | | | | .4 | 2.4 |
| ENE | .2 | .3 | .1 | | | | | | | | | .6 | 2.7 |
| E | .2 | .2 | .3 | | | | | | | | | .7 | 3.0 |
| ESE | .1 | .4 | .2 | | .1 | | | | | | | .8 | 4.0 |
| SE | .1 | .7 | .4 | | | | | | | | | .7 | 4.2 |
| SSE | .1 | .4 | .4 | | | | | | | | | .9 | 3.7 |
| S | .4 | .2 | .3 | | .1 | | | | | | | .9 | 3.0 |
| SSW | .4 | .9 | .1 | .1 | | | | | | | | .7 | 3.1 |
| SW | .7 | .8 | .1 | | | | | | | | | .6 | 3.0 |
| WSW | .2 | .2 | .3 | .1 | | | | | | | | .6 | 3.0 |
| W | .3 | .7 | .3 | | | | | | | | | .7 | 3.0 |
| WNW | .1 | .7 | | | | | | | | | | .8 | 2.8 |
| NW | .1 | .5 | .2 | | | | | | | | | .8 | 3.7 |
| NNW | .1 | .3 | .1 | .1 | | | | | | | | .6 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | .4 | .7 | .5 | .3 | .3 | | | | | | | 1.3 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 41

U.S. AIR FORCE
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAXWELL AFB AL STATION NAME 75-84 YEARS 1975-1976 NORTH 100-1-21
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 0.2 | 1.3 | 0.2 | | | | | | | | | 0.4 | 2.0 |
| NNE | 0.4 | 0.7 | 0.2 | | | | | | | | | 0.4 | 2.0 |
| NE | 1.7 | 0.7 | 0.2 | | | | | | | | | 0.4 | 2.0 |
| ENE | 1.1 | 0.2 | 0.2 | | | | | | | | | 0.4 | 2.0 |
| E | 1.7 | 0.7 | 0.2 | | | | | | | | | 0.4 | 2.0 |
| ESE | 1.1 | 1.1 | 0.3 | | | | | | | | | 0.7 | 2.0 |
| SE | 1.2 | 1.3 | 0.5 | | | | | | | | | 0.7 | 2.0 |
| SSE | 1.7 | 1.1 | 0.2 | | | | | | | | | 0.7 | 2.0 |
| S | 0.1 | 0.4 | 0.2 | 0.2 | | | | | | | | 0.7 | 3.0 |
| SSW | 0.7 | 1.3 | 0.3 | | | | | | | | | 0.7 | 2.0 |
| SW | 0.7 | 0.2 | 0.2 | 0.2 | | | | | | | | 0.7 | 2.0 |
| WSW | 1.1 | 1.2 | | | | | | | | | | 0.7 | 2.0 |
| W | 0.2 | 0.5 | | | | | | | | | | 0.7 | 3.0 |
| WNW | 0.7 | | | | | | | | | | | 0.7 | 2.0 |
| NW | 1.1 | | | | | | | | | | | 0.7 | 2.0 |
| NNW | 0.2 | 0.7 | | | | | | | | | | 0.7 | 2.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 22.1 | 14.1 | 2.7 | 0.3 | | | | | | | | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 1000

ALCANTARA, MARCH
1977
STATE SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION PARALL AFB AL STATION NAME 77-84 YEARS 1977 MONTH JUL
 CLASS ALL WEATHER
 HOURS (L.S.T.) 00-24
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | 5.6 | | | | | | | | | | | 5.6 | 4.5 |
| NE | 2.8 | | | | | | | | | | | 2.8 | 2.3 |
| ENE | 3.7 | 2.3 | | | | | | | | | | 6.0 | 3.1 |
| E | 2.8 | 2.3 | | | | | | | | | | 5.1 | 3.0 |
| ESE | 2.3 | 2.0 | | | | | | | | | | 4.3 | 3.0 |
| SE | | | 2.0 | | | | | | | | | 2.0 | 4.5 |
| SSE | 1.1 | | | | | | | | | | | 1.1 | 2.5 |
| S | 1.1 | 1.7 | | | | | | | | | | 2.8 | 2.7 |
| SSW | 1.1 | 2.0 | | | | | | | | | | 3.1 | 2.4 |
| SW | 1.1 | | | | | | | | | | | 2.2 | 1.9 |
| WSW | 1.1 | | | | | | | | | | | 2.2 | 1.7 |
| W | 1.1 | | | | | | | | | | | 2.2 | 2.2 |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | 1.1 | | | | | | | | | | | 1.1 | 1.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.0 | |
| | 32.1 | 7.8 | 2.0 | | | | | | | | | 41.9 | 1.9 |

TOTAL NUMBER OF OBSERVATIONS 210

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION MAAFTIL AFB AL STATION NAME MAAFTIL AFB YEARS 1954 SOUTH 11

CLASS ALL WEATHER

CONDITION

HOURLS (L.S.T.) 0000

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .1 | .1 | | | | | | | | | .3 | 2.0 |
| NNE | .1 | .1 | | | | | | | | | | .2 | 2.3 |
| NE | .7 | 1.1 | | | | | | | | | | 4.2 | 2.7 |
| ENE | .1 | 1.1 | .1 | | | | | | | | | 4.2 | 3.0 |
| E | 4.2 | 2.5 | 1.2 | .1 | | | | | | | | 7.8 | 3.5 |
| ESE | 1.7 | 1.1 | .4 | .2 | | | | | | | | 3.3 | 4.5 |
| SE | 1.2 | .1 | .1 | .1 | | | | | | | | 2.2 | 5.0 |
| SSE | 1.1 | 1.1 | .1 | | | | | | | | | 3.2 | 5.0 |
| S | .1 | .5 | .1 | | | | | | | | | 2.2 | 6.0 |
| SSW | .3 | .1 | .2 | | | | | | | | | 1.0 | 6.0 |
| SW | .1 | .1 | .3 | | | | | | | | | 1.0 | 6.7 |
| WSW | .6 | 1.5 | .2 | | | | | | | | | 3.7 | 6.7 |
| W | 4.7 | 2.3 | .1 | | | | | | | | | 7.1 | 6.4 |
| WNW | .2 | .6 | | | | | | | | | | 1.1 | 6.5 |
| NW | 1.4 | .5 | | | | | | | | | | 1.7 | 6.5 |
| NNW | 1.7 | .5 | .1 | | | | | | | | | 2.2 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.7 | |
| | 44.4 | 10.2 | 3.1 | .4 | | | | | | | | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS 11

U.S. AIR FORCE
 AIRCRAFT SERVICE / PAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION SAVANNAH AFB GA STATION NAME 75-24 YEARS 50TH

CLASS ALL WEATHER

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.5 | 1.2 | | | | | | | | | | 3.7 | 2.0 |
| NNE | 2.2 | 2.5 | | | | | | | | | | 4.7 | 3.0 |
| NE | 3.1 | 1.1 | | | | | | | | | | 4.2 | 2.7 |
| ENE | 3.4 | 3.5 | .4 | | | | | | | | | 7.7 | 3.7 |
| E | 2.4 | 3.3 | 1.7 | .1 | | | | | | | | 7.2 | 4.0 |
| ESE | 1.1 | 1.5 | .8 | .5 | | | | | | | | 4.5 | 3.4 |
| SE | .7 | .9 | .5 | .1 | | | | | | | | 2.5 | 2.0 |
| SSE | .8 | .5 | .2 | .1 | | | | | | | | 1.4 | 1.0 |
| S | 2.7 | 1.3 | .5 | | | | | | | | | 4.5 | 3.0 |
| SSW | 2.3 | 1.5 | .3 | | | | | | | | | 4.1 | 3.0 |
| SW | 1.1 | 1.5 | .5 | | | | | | | | | 3.2 | 3.0 |
| WSW | 4.1 | 3.5 | .3 | | | | | | | | | 8.0 | 3.0 |
| W | 4.3 | 4.7 | 1.1 | | | | | | | | | 10.0 | 4.0 |
| WNW | 2.5 | 1.8 | .2 | | | | | | | | | 4.5 | 3.0 |
| NW | 1.2 | 2.2 | .1 | | | | | | | | | 3.4 | 3.0 |
| NNW | 4.4 | 1.5 | .2 | | | | | | | | | 6.1 | 2.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.1 | |
| | 40.1 | 52.8 | 6.1 | .4 | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 47

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION AXXELL STATION NAME AXXELL YEARS 75-84 SOUTH 11

CLASS ALL WEATHER HOURS (L.S.T.) 1-14

CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 4.4 | 1.4 | .2 | | | | | | | | | 4.4 | 3.3 |
| NNE | 2.7 | 3.3 | .2 | | | | | | | | | 2.7 | 3.0 |
| NE | 1.0 | 1.7 | .3 | | | | | | | | | 1.0 | 3.0 |
| ENE | 3.0 | 2.6 | .5 | | | | | | | | | 3.0 | 3.0 |
| E | 1.6 | 2.9 | 2.3 | | | | | | | | | 1.6 | 3.0 |
| ESE | 1.7 | 1.7 | 1.0 | .5 | | | | | | | | 1.7 | 3.0 |
| SE | .3 | 1.7 | .5 | .3 | | | | | | | | .3 | 3.0 |
| SSE | .9 | 1.2 | .4 | .1 | | | | | | | | .9 | 3.0 |
| S | 2.4 | 2.7 | 1.0 | .2 | | | | | | | | 2.4 | 3.0 |
| SSW | 1.4 | 3.1 | .5 | .4 | .1 | | | | | | | 1.4 | 3.0 |
| SW | 1.0 | 2.3 | .4 | | .1 | | | | | | | 1.0 | 3.0 |
| WSW | 3.2 | 1.2 | 1.4 | | | | | | | | | 3.2 | 3.0 |
| W | 4.0 | 4.4 | 2.2 | .3 | | | | | | | | 4.0 | 3.0 |
| WNW | 1.0 | 3.1 | .6 | | | | | | | | | 1.0 | 3.0 |
| NW | 1.0 | .3 | .2 | .2 | | | | | | | | 1.0 | 3.0 |
| NNW | 3.0 | 2.6 | .4 | .1 | | | | | | | | 3.0 | 3.0 |
| VARBL | | | | | | | | | | | | | 3.0 |
| CALM | | | | | | | | | | | | .7 | |
| | 44.4 | 44.7 | 32.7 | 2.2 | .2 | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 97

U.S. AIR FORCE
 WIND DATA
 FORM 8-5 (OL-A)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION PAWELL GUN AT STATION NAME 75-4 YEARS 1951 MONTH 7-1

CLASS ALL WEATHER

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 4.7 | 2.0 | 0.0 | 0.1 | | | | | | | | 0.0 | 0.0 |
| NNE | 1.0 | 2.0 | 0.1 | 0.1 | | | | | | | | 0.0 | 0.0 |
| NE | 1.0 | 2.0 | 0.1 | 0.1 | | | | | | | | 0.0 | 0.0 |
| ENE | 1.0 | 2.1 | 0.4 | | | | | | | | | 0.0 | 0.0 |
| E | 1.0 | 2.1 | 1.1 | | | | | | | | | 0.0 | 0.0 |
| ESE | 0.7 | 0.7 | 1.2 | 0.2 | | | | | | | | 0.0 | 0.0 |
| SE | 0.7 | 1.1 | 0.5 | 0.4 | | | | | | | | 0.0 | 0.0 |
| SSE | 1.0 | 1.1 | 0.2 | 0.7 | | | | | | | | 0.0 | 0.0 |
| S | 1.0 | 1.7 | 2.1 | 0.5 | | | | | | | | 0.0 | 0.0 |
| SSW | 1.0 | 2.0 | 1.2 | | | | | | | | | 0.0 | 0.0 |
| SW | 0.0 | 3.2 | 0.7 | 0.1 | | | | | | | | 0.0 | 0.0 |
| WSW | 2.7 | 2.1 | 0.7 | 0.1 | | | | | | | | 0.0 | 0.0 |
| W | 4.0 | 0.5 | 1.7 | 0.3 | | | | | | | | 0.0 | 0.0 |
| WNW | 0.3 | 2.6 | 0.2 | | | | | | | | | 0.0 | 0.0 |
| NW | 1.0 | 1.3 | 0.1 | | | | | | | | | 0.0 | 0.0 |
| NNW | 2.4 | 2.7 | 0.7 | | | | | | | | | 0.0 | 0.0 |
| VARBL | | | | | | | | | | | | 0.0 | 0.0 |
| CALM | | | | | | | | | | | | 0.0 | 0.0 |
| | 36.7 | 30.9 | 12.7 | 2.7 | | | | | | | | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS 11

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

 CLASS HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 AIR FORCE SERVICE CENTER

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WALLA WALLA STATION NAME WALLA WALLA YEARS 1954 MONTH 10
 CLASS ALL
 HOURS (L.S.T.) 0000
 CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | 2 | 2 | 5 | | | | | | | | | 1 | 2 |
| NNE | 2 | 2 | | 2 | | | | | | | | 1 | 2 |
| NE | 1 | 2 | | | | | | | | | | 1 | 2 |
| ENE | 1 | 2 | | | | | | | | | | 1 | 2 |
| E | 2 | 2 | 4 | | | | | | | | | 1 | 3 |
| ESE | 1 | 1 | 7 | | | | | | | | | 1 | 4 |
| SE | | 2 | 7 | | | | | | | | | 1 | 4 |
| SSE | | 1 | 7 | | | | | | | | | 1 | 4 |
| S | 2 | 1 | 2 | | | | | | | | | 1 | 4 |
| SSW | 2 | 0 | | | | | | | | | | 1 | 4 |
| SW | 2 | 1 | | | | | | | | | | 1 | 4 |
| WSW | 2 | 2 | | | | | | | | | | 1 | 4 |
| W | 2 | 7 | | | | | | | | | | 1 | 4 |
| WNW | 1 | 2 | 2 | | | | | | | | | 1 | 4 |
| NW | 1 | 2 | | | | | | | | | | 1 | 4 |
| NNW | | 2 | | | | | | | | | | 1 | 4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4 | |

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 25-11-10-11 STATION NAME 25-11-10-11 YEARS 1954 NORTH 100-0-0

CLASS ALL SEASIDE

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NNE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ESE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| VARBL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CALM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

 CLASS HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 4.2 | 2.1 | 2.1 | 1.1 | | | | | | | | 7.7 | 3.7 |
| NNE | 2.1 | 1.1 | 4.2 | | | | | | | | | 7.7 | 3.1 |
| NE | 2.1 | 1.1 | 1.1 | | | | | | | | | 7.7 | 3.1 |
| ENE | 2.1 | 2.1 | 2.1 | 3.1 | | | | | | | | 7.7 | 4.7 |
| E | 2.1 | 2.1 | 2.1 | 1.1 | | | | | | | | 7.7 | 4.7 |
| ESE | 1.1 | 2.1 | 2.1 | | | | | | | | | 4.2 | 4.4 |
| SE | 2.1 | 2.1 | | | | | | | | | | 4.2 | 4.4 |
| SSE | 1.1 | 1.1 | 2.1 | | | | | | | | | 4.2 | 4.4 |
| S | 1.1 | 1.1 | 4.2 | | | | | | | | | 4.2 | 4.4 |
| SSW | 1.1 | 2.1 | | | | | | | | | | 4.2 | 4.4 |
| SW | 1.1 | 2.1 | 2.1 | | | | | | | | | 4.2 | 4.4 |
| WSW | 2.1 | 1.1 | 2.1 | | | | | | | | | 4.2 | 4.4 |
| W | 2.1 | 4.2 | 2.1 | | | | | | | | | 4.2 | 4.4 |
| WNW | 1.1 | 1.1 | | | | | | | | | | 1.1 | 2.1 |
| NW | 2.1 | 2.1 | 1.1 | | | | | | | | | 4.2 | 2.1 |
| NNW | 2.1 | 2.1 | 2.1 | | 1.1 | | | | | | | 4.2 | 2.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.7 | |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 WATKINS SERVICE / MAG

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WATKINS SERVICE / MAG STATION NAME WATKINS SERVICE / MAG YEARS 75-76 MONTH 7-17
 CLASS ALL - ATLAS HOURS (L.S.T.) 0000-2359
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 0.2 | 5.1 | 2.0 | | | | | | | | | 3.4 | 4.0 |
| NNE | 6.2 | 2.4 | 1.2 | .1 | | | | | | | | 2.7 | 4.0 |
| NE | 2.2 | 2.2 | .4 | .1 | | | | | | | | 2.4 | 4.0 |
| ENE | 0.2 | 4.2 | 1.1 | .3 | | | | | | | | 2.4 | 4.0 |
| E | 1.2 | 5.4 | 2.7 | | | | | | | | | 2.4 | 4.0 |
| ESE | 1.1 | 1.1 | .0 | .1 | | | | | | | | 2.4 | 4.0 |
| SE | 1.1 | 1.2 | .7 | | | | | | | | | 2.4 | 4.0 |
| SSE | 1.1 | 1.2 | .1 | | | | | | | | | 2.4 | 4.0 |
| S | 1.7 | 1.2 | 1.0 | .1 | | .1 | | | | | | 4.2 | 4.0 |
| SSW | 1.4 | 1.2 | .5 | .3 | | | | | | | | 2.4 | 4.0 |
| SW | 0.2 | 1.3 | .3 | | | | | | | | | 2.4 | 4.0 |
| WSW | 1.7 | 1.2 | .2 | .2 | .1 | | | | | | | 2.4 | 4.0 |
| W | 2.2 | 5.3 | .4 | .2 | | | | | | | | 7.4 | 4.0 |
| WNW | 1.2 | 1.2 | .2 | .2 | | | | | | | | 4.4 | 4.0 |
| NW | .2 | .2 | .3 | | | | | | | | | 1.4 | 3.0 |
| NNW | 1.2 | 1.2 | 1.2 | .2 | | | | | | | | 4.4 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 37.1 | 41.7 | 15.4 | 1.7 | .1 | .1 | | | | | | 1.7 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1111111111 STATION NAME 1111111111 YEARS 1111 MONTH 11

ALL 1111 CLASS 1111 HOURS (L.S.T.) 1111

CONDITION 1111

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| NNE | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| NE | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| ENE | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| E | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| ESE | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| SE | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| SSE | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| S | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| SSW | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| SW | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| WSW | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| W | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| WNW | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| NW | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| NNW | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| VARBL | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| CALM | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |
| | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 11.1 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 10-10-64
 10-10-64

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-10-64 STATION NAME 75-24 YEARS 10-10-64 MONTH 10-10-64

CLASS ALL WEATHER HOURS (L.S.T.) 10-10-64

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 2.7 | 2.7 | 1.6 | .2 | | .1 | | | | | | 7.4 | 3.0 |
| NNE | 2.7 | 4.2 | 1.6 | .2 | | | | | | | | 1.1 | 4.2 |
| NE | 2.7 | 3.5 | .3 | .2 | | | | | | | | 7.7 | 4.2 |
| ENE | 4.2 | 6.4 | 7.1 | .4 | | | | | | | | 1.1 | 5.4 |
| E | 4.4 | 7.7 | 4.2 | .4 | | | | | | | | 17.7 | 5.4 |
| ESE | 2.1 | 3.5 | .2 | | | | | | | | | 2.2 | 4.4 |
| SE | .7 | .2 | .4 | .1 | | .1 | | | | | | 2.2 | 5.4 |
| SSE | 1.2 | 1.4 | .3 | | .1 | .1 | | | | | | 2.2 | 5.4 |
| S | 1.2 | 1.7 | .5 | | | | | | | | | 2.4 | 4.2 |
| SSW | 1.2 | .3 | .6 | .1 | | | | | | | | 2.2 | 4.2 |
| SW | .2 | .2 | .2 | | | | | | | | | 2.2 | 4.2 |
| WSW | 1.1 | 1.2 | .3 | | | | | | | | | 2.2 | 4.2 |
| W | 1.7 | 1.2 | .5 | | | | | | | | | 4.2 | 4.2 |
| WNW | 1.1 | 1.2 | .7 | | | .1 | | | | | | 2.1 | 5.1 |
| NW | 1.2 | 1.1 | .3 | | | | | | | | | 2.4 | 4.4 |
| NNW | 1.2 | .9 | .6 | .1 | | | | | | | | 2.2 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 31.2 | 35.1 | 17.3 | 1.2 | .1 | .4 | | | | | | 1.1 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
CLIMATE DIVISION
METEOROLOGICAL SERVICE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100WELL HFS AL STATION NAME 75-44 YEARS 1951-1952
 CLASS ALL HOURS (L.S.T.) 0000-0000
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 2.4 | .2 | | | | | | | | | 1.1 | 5.0 |
| NNE | 7.0 | 3.2 | .7 | .1 | | | | | | | | 1.1 | 3.0 |
| NE | 6.5 | 4.5 | .7 | | | | | | | | | 1.1 | 3.7 |
| ENE | 5.2 | 3.4 | 1.3 | .1 | | | | | | | | 1.1 | 4.1 |
| E | 2.0 | 4.3 | .2 | .2 | | | | | | | | 1.1 | 4.0 |
| ESE | 1.7 | 1.7 | .1 | .2 | | | | | | | | 1.1 | 1.7 |
| SE | .2 | .2 | .1 | | .1 | | | | | | | 1.1 | 2.6 |
| SSE | .1 | .3 | .2 | | | | | | | | | 1.1 | 2.7 |
| S | 1.2 | .3 | .1 | | | | | | | | | 1.1 | 3.1 |
| SSW | 1.0 | .4 | .1 | | | | | | | | | 1.1 | 3.4 |
| SW | .0 | .1 | .1 | | | | | | | | | 1.1 | 3.0 |
| WSW | 1.0 | .3 | | | | | | | | | | 1.1 | 2.0 |
| W | .0 | 1.2 | .1 | | | | | | | | | 1.1 | 3.7 |
| WNW | 1.7 | .3 | .7 | | | | | | | | | 1.1 | 3.0 |
| NW | 1.1 | .3 | | .2 | | | | | | | | 1.1 | 3.7 |
| NNW | .0 | .6 | | | | | | | | | | 1.1 | 2.0 |
| VARBL | | | | | | | | | | | | 1.1 | 2.0 |
| CALM | | | | | | | | | | | | 27.4 | |
| | 5.0 | 10.3 | 1.0 | .0 | .1 | | | | | | | 106.0 | 2.7 |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 WEATHER SERVICE
 WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION YAKKELL AFB AL STATION NAME 75-75-4 YEARS 1950-1954 MONTH ALL

CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.0 | 1.4 | 0.0 | | | | | | | | | 0.0 | 3.0 |
| NNE | 10.0 | 4.0 | | | | | | | | | | 10.0 | 2.7 |
| NE | 0.0 | 3.0 | | | | | | | | | | 0.0 | 3.0 |
| ENE | 0.0 | 3.0 | | | | | | | | | | 0.0 | 3.0 |
| E | 2.0 | 5.0 | | | | | | | | | | 2.0 | 4.0 |
| ESE | 0.0 | 0.0 | | 0.5 | | | | | | | | 0.0 | 0.5 |
| SE | | | 0.0 | | | | | | | | | 0.0 | 0.0 |
| SSE | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| S | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| SSW | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| SW | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| WSW | 0.0 | 0.0 | | | | | | | | | | 0.0 | 0.0 |
| W | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| WNW | 1.0 | 0.5 | | | | | | | | | | 1.0 | 2.0 |
| NW | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| NNW | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.0 | |
| | 34.4 | 12.7 | 1.4 | 0.5 | | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 11

U.S. AIR FORCE
 1. STATION
 2. LOCATION SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WALL AFB AL STATION NAME 75-54 YEARS ALL MONTH ALL
 CLASS ALL HOURS (L.S.T.) ALL
 CONDITION ALL

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | .5 | | | | | | | | | | 2.1 | 2.0 |
| NNE | 2.4 | .3 | | .2 | | | | | | | | 2.3 | 2.2 |
| NE | 2.1 | | | | | | | | | | | 2.1 | 2.2 |
| ENE | 1.6 | .5 | | | | | | | | | | 2.4 | 2.7 |
| E | 4.1 | 2.1 | .5 | | | | | | | | | 2.7 | 3.4 |
| ESE | 1.5 | 1.2 | .2 | | | | | | | | | .7 | 2.5 |
| SE | 1.5 | 1.3 | .5 | | | | | | | | | .4 | 3.7 |
| SSE | 1.1 | 1.5 | | | | | | | | | | .5 | 3.4 |
| S | 4.5 | 2.4 | .3 | | | | | | | | | 7.1 | 3.1 |
| SSW | 1.4 | 1.2 | .3 | | | | | | | | | 4.7 | 3.1 |
| SW | 1.5 | .5 | | | | | | | | | | 2.4 | 2.5 |
| WSW | 1.3 | .2 | | | | | | | | | | 1.1 | 2.4 |
| W | 1.5 | .2 | | | | | | | | | | .1 | 2.2 |
| WNW | .5 | .3 | | | | | | | | | | .3 | 2.6 |
| NW | .5 | | | | | | | | | | | .3 | 2.6 |
| NNW | .5 | .2 | | | | | | | | | | .2 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 22.3 | 12.9 | 1.6 | .2 | | | | | | | | 1.000 | 1.3 |

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION DAWELL AFB AL STATION NAME 75-64 YEARS 1951-1954 MONTH ALL

CLASS ALL HOURS (L.S.T.) ALL

CONDITION ALL

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.4 | 0.6 | 0.2 | | | | | | | | | 2.4 | 2.0 |
| NNE | 2.2 | 0.6 | | | | | | | | | | 2.2 | 2.0 |
| NE | 1.0 | 0.6 | | | | | | | | | | 1.0 | 3.0 |
| ENE | 2.2 | 1.3 | | | | | | | | | | 2.4 | 3.1 |
| E | 2.2 | 2.2 | 0.2 | 0.2 | | | | | | | | 4.0 | 4.1 |
| ESE | 1.0 | 1.9 | 0.2 | | | | | | | | | 4.0 | 3.3 |
| SE | 1.0 | 1.1 | 0.4 | | | | | | | | | 4.0 | 3.0 |
| SSE | 2.2 | 1.1 | 0.3 | | | | | | | | | 4.0 | 3.4 |
| S | 4.2 | 3.3 | 0.6 | 0.1 | | | | | | | | 4.3 | 3.3 |
| SSW | 3.2 | 1.2 | 0.2 | 0.1 | | | | | | | | 4.5 | 3.4 |
| SW | 2.7 | 1.3 | 0.1 | | | | | | | | | 4.1 | 3.1 |
| WSW | 2.1 | 0.6 | 0.1 | | | | | | | | | 2.8 | 2.7 |
| W | 4.2 | 1.0 | 0.4 | | | | | | | | | 4.0 | 3.1 |
| WNW | 0.2 | 0.2 | | | | | | | | | | 1.0 | 3.0 |
| NW | 1.0 | 0.3 | 0.1 | | | | | | | | | 1.4 | 3.0 |
| NNW | 1.4 | 0.4 | 0.1 | | | | | | | | | 1.5 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.0 | |
| | 34.3 | 19.9 | 7.0 | 0.4 | | | | | | | | 100.0 | 2.1 |

TOTAL NUMBER OF OBSERVATIONS 424

U.S. AIR FORCE
 AIRCRAFT
 SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFALL AFB TX STATION NAME FAIRFALL AFB TX YEARS 7-54 MONTH ALL
 CLASS ALL WEATHER HOURS (L & T) 1-17
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 4.4 | 2.2 | .2 | | .1 | | | | | | | 2.1 | 5.1 |
| NNE | 2.2 | 2.2 | .6 | | | | | | | | | 2.1 | 5.2 |
| NE | 1.1 | 2.2 | .1 | | | | | | | | | 1.1 | 4.4 |
| ENE | 1.1 | 2.4 | .9 | | | | | | | | | 1.1 | 4.7 |
| E | .2 | 4.3 | 1.9 | | | | | | | | | 1.1 | 5.1 |
| ESE | | 1.3 | 1.7 | | | | | | | | | 1.7 | 5.1 |
| SE | .1 | 2.1 | 1.1 | .1 | | | | | | | | 1.1 | 5.4 |
| SSE | 1.1 | 2.2 | .6 | .1 | | .1 | | | | | | 1.1 | 5.4 |
| S | 1.1 | 2.3 | 1.2 | .5 | .1 | | | | | | | 2.2 | 5.2 |
| SSW | 1.1 | 3.2 | .6 | | | | | | | | | 1.1 | 4.7 |
| SW | .2 | 2.7 | .6 | | | | | | | | | 1.1 | 4.7 |
| WSW | 1.2 | 4.2 | 1.2 | | | | | | | | | 1.1 | 4.3 |
| W | 1.1 | 5.4 | 1.2 | .1 | | | | | | | | 1.1 | 4.4 |
| WNW | 2.4 | 1.9 | .4 | | | | | | | | | 1.1 | 3.3 |
| NW | 1.7 | .9 | | .1 | | | | | | | | 1.1 | 5.4 |
| NNW | 2.2 | 1.7 | .4 | .2 | | | | | | | | 1.1 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 13.1 | 43.1 | 11.0 | 1.2 | .2 | .1 | | | | | | 1.1 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 13.1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAXWELL AFB AL STATION NAME 75-44 YEARS 1950-1954 MONTH 1-12
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 4.7 | 2.7 | .6 | | | | | | | | | 7.0 | 3.0 |
| NNE | 4.7 | 2.9 | .7 | | | | | | | | | 7.3 | 3.2 |
| NE | 1.7 | 2.7 | .5 | | | | | | | | | 4.9 | 3.1 |
| ENE | 1.3 | 3.4 | .5 | | | | | | | | | 5.2 | 4.4 |
| E | 2.3 | 5.1 | 2.7 | | | | | | | | | 11.0 | 4.0 |
| ESE | 1.9 | 3.2 | .7 | .4 | | | | | | | | 6.0 | 3.4 |
| SE | .7 | 1.3 | .5 | | | | | | | | | 2.7 | 4.0 |
| SSE | .7 | 2.2 | .5 | | | | | | | | | 3.5 | 4.1 |
| S | 1.2 | 3.5 | .9 | .1 | | | | | | | | 5.7 | 4.0 |
| SSW | 1.1 | 2.2 | .5 | | | | | | | | | 3.8 | 4.0 |
| SW | 1.2 | 2.7 | .4 | | | | | | | | | 4.3 | 4.0 |
| WSW | 2.1 | 3.8 | 1.1 | .1 | | | | | | | | 7.1 | 4.0 |
| W | 2.3 | 4.2 | .8 | .1 | | | | | | | | 7.4 | 4.0 |
| WNW | 1.2 | 2.4 | .3 | .1 | | | | | | | | 4.0 | 4.0 |
| NW | 1.1 | 1.4 | | | | | | | | | | 2.5 | 3.0 |
| NNW | 2.7 | 2.5 | .1 | | | | | | | | | 5.3 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 31.5 | 47.6 | 11.0 | .9 | | | | | | | | 91.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 91

U.S. AIR FORCE
 WETAC
 METEOROLOGICAL SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WETAC STATION NAME WETAC YEARS 75-76 NORTH 10-11
 CLASS ALL WEATHER
 HOURS (L.S.T.) 00-24
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 2.2 | 1.4 | | | | | | | | | | 4.6 | 2.3 |
| NNE | 2.2 | 1.4 | .1 | | | | | | | | | 5.7 | 3.1 |
| NE | 2.2 | 2.3 | .2 | | | | | | | | | 4.9 | 3.2 |
| ENE | 1.1 | 4.3 | .6 | | | | | | | | | 1.2 | 3.5 |
| E | 2.2 | 5.3 | 1.2 | .1 | | | | | | | | 1.2 | 4.1 |
| ESE | 2.2 | 2.4 | 1.2 | .1 | | | | | | | | 2.7 | 4.0 |
| SE | 1.2 | 1.4 | .1 | | | | | | | | | 2.7 | 3.2 |
| SSE | 1.4 | 2.3 | .2 | | | | | | | | | 1.2 | 3.0 |
| S | 2.2 | 1.2 | .4 | | | | | | | | | 4.2 | 3.4 |
| SSW | 2.2 | 1.1 | .3 | | | | | | | | | 2.4 | 3.4 |
| SW | 1.2 | 1.5 | | | | | | | | | | 2.2 | 3.2 |
| WSW | 1.2 | 2.7 | .2 | | | | | | | | | 2.2 | 3.4 |
| W | 3.2 | 3.4 | .2 | | .1 | | | | | | | 7.1 | 3.2 |
| WNW | 1.2 | 1.2 | .1 | | | | | | | | | 4.2 | 3.0 |
| NW | 1.2 | 1.4 | | | | | | | | | | 2.1 | 3.1 |
| NNW | 1.2 | 1.1 | .2 | | | | | | | | | 2.2 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 4.5 | 34.5 | 5.7 | .2 | .1 | | | | | | | 1.2 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 75

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ABELL 455 AL STATION NAME 7-24 YEARS 1950 MONTH 1950

CLASS ALL WEATHER HOURS (L.S.T.) 0000

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.0 | 0.0 | 0.1 | | | | | | | | | 1.0 | 2.0 |
| NNE | 0.0 | 1.0 | 0.1 | | | | | | | | | 1.0 | 2.0 |
| NE | 0.0 | 1.0 | | | | | | | | | | 1.0 | 2.0 |
| ENE | 0.0 | 0.0 | | | | | | | | | | 0.0 | 2.0 |
| E | 0.0 | 0.1 | 1.0 | | | | | | | | | 1.0 | 4.0 |
| ESE | 1.0 | 1.0 | 0.0 | | | | | | | | | 1.0 | 4.0 |
| SE | 1.0 | 1.0 | | | | | | | | | | 1.0 | 3.0 |
| SSE | 1.0 | 0.0 | | | | | | | | | | 1.0 | 2.0 |
| S | 1.0 | 0.0 | | | | | | | | | | 1.0 | 2.0 |
| SSW | 1.0 | 0.0 | | | | | | | | | | 1.0 | 2.0 |
| SW | 0.0 | 0.1 | | | | | | | | | | 0.0 | 2.0 |
| WSW | 0.0 | 0.0 | 0.1 | | | | | | | | | 0.0 | 2.0 |
| W | 0.0 | 1.0 | 0.0 | | | | | | | | | 1.0 | 3.0 |
| WNW | 1.0 | 0.0 | 0.1 | | | | | | | | | 1.0 | 3.0 |
| NW | 1.0 | 0.0 | | | | | | | | | | 1.0 | 2.0 |
| NNW | 1.0 | 0.0 | | | | | | | | | | 1.0 | 2.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 4.0 | 1.0 | 0.0 | | | | | | | | | 5.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
 WEATHER SERVICE

SURFACE WIND

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 75-76-73-84 STATION NAME ALL WEATHER YEARS 75-76-73-84 NORTH 0-9
 CLASS ALL WEATHER HOURS (L.S.T.) 0-9
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEA WIN SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|---------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 32

U.S. AIR FORCE
 100
 100

SURFACE WIN

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100 STATION NAME 100 YEARS 100 MONTH 100

CLASS ALL WEATHER HOURS 100

CONDITION 100

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|
| N | 1.0 | 2.1 | | | | | | | | | | 1.0 |
| NNE | 1.0 | 2.1 | 1.0 | | | | | | | | | 1.0 |
| NE | 2.1 | | | | | | | | | | | 2.1 |
| ENE | 4.0 | | | | | | | | | | | 4.0 |
| E | 1.0 | 1.0 | 1.0 | | | | | | | | | 1.0 |
| ESE | 1.0 | 1.0 | | | | | | | | | | 1.0 |
| SE | 1.0 | | | | | | | | | | | 1.0 |
| SSE | | | | | | | | | | | | |
| S | 1.0 | | | | | | | | | | | 1.0 |
| SSW | | | | | | | | | | | | |
| SW | 1.0 | | | | | | | | | | | 1.0 |
| WSW | | | | | | | | | | | | |
| W | 1.0 | | | | | | | | | | | 1.0 |
| WNW | 1.0 | 1.0 | | | | | | | | | | 1.0 |
| NW | 1.0 | | | | | | | | | | | 1.0 |
| NNW | 1.0 | 1.0 | 1.0 | | | | | | | | | 1.0 |
| VARBL | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 |
| | 3.0 | 1.0 | 4.0 | | | | | | | | | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 100

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NOAA

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION Aswell Falls STATION NAME Aswell Falls YEARS 1964 MONTH 7
CLASS ALL WEATHER HOURS (L.S.T.) 0000-2300
CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 0.1 | 2.4 | 1.2 | 0.3 | | | | | | | | 0.7 | 0.4 |
| NNE | 0.4 | 2.5 | 0.4 | | | | | | | | | 0.7 | 0.3 |
| NE | 0.6 | 3.6 | 0.4 | | | | | | | | | 1.2 | 0.3 |
| ENE | 4.0 | 4.0 | 0.7 | | | | | | | | | 3.1 | 0.3 |
| E | 2.1 | 3.0 | 1.6 | 0.1 | | | | | | | | 2.7 | 0.4 |
| ESE | 0.2 | 1.4 | 0.4 | 0.1 | | | | | | | | 0.8 | 0.3 |
| SE | 0.4 | 0.4 | 0.5 | 0.2 | | | | | | | | 1.6 | 0.3 |
| SSE | 0.1 | 0.2 | 0.2 | 0.1 | | | | | | | | 1.0 | 0.3 |
| S | 1.1 | 0.4 | 0.1 | | | | | | | | | 1.6 | 0.3 |
| SSW | 0.1 | 0.1 | 0.4 | | | | | | | | | 0.7 | 0.3 |
| SW | 0.4 | 0.7 | | | | | | | | | | 1.1 | 0.4 |
| WSW | 0.2 | 0.2 | 0.1 | | | | | | | | | 0.6 | 0.3 |
| W | 0.2 | 0.4 | 0.4 | 0.2 | | | | | | | | 2.0 | 0.4 |
| WNW | 1.2 | 1.3 | 0.4 | | | | | | | | | 2.9 | 0.4 |
| NW | 0.1 | 0.2 | 0.2 | 0.1 | | | | | | | | 0.7 | 0.3 |
| NNW | 0.1 | 1.3 | 1.2 | | | | | | | | | 2.6 | 0.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.4 | |
| | 3.0 | 24.7 | 9.4 | 1.7 | | | | | | | | 10.0 | 0.4 |

TOTAL NUMBER OF OBSERVATIONS 100

ATMOSPHERIC STATION
 100-100
 100-100 SERVICE 1000

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100-100 STATION NAME 100-100 YEARS 100-100 NORTH 100-100

ALL 100-100 CLASS 100-100 HOURS (L.S.T.) 100-100

CONDITION 100-100

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | 1.0 | 3.7 | 3.1 | .2 | | | | | | | | | |
| NNE | 1.7 | 2.7 | .5 | .1 | | | | | | | | | |
| NE | 2.1 | 2.2 | .7 | | | | | | | | | | |
| ENE | 4.7 | 4.7 | 1.4 | | | | | | | | | | |
| E | 3.7 | 5.5 | 5.2 | .2 | | | | | | | | | |
| ESE | 1.4 | 2.7 | 2.5 | .1 | | | | | | | | | |
| SE | 1.7 | 1.4 | .5 | .5 | | | | | | | | | |
| SSE | 1.7 | 1.3 | 1.7 | .2 | | | | | | | | | |
| S | .7 | 1.5 | .3 | | | | | | | | | | |
| SSW | 1.7 | .5 | 1.7 | .1 | | | | | | | | | |
| SW | 1.1 | .4 | .7 | | | | | | | | | | |
| WSW | .7 | 1.3 | .4 | .1 | | | | | | | | | |
| W | 1.7 | 2.3 | 1.2 | .1 | | | | | | | | | |
| WNW | .7 | .5 | 1.0 | | | | | | | | | | |
| NW | .7 | .5 | 1.4 | .3 | | | | | | | | | |
| NNW | .7 | 1.2 | 1.2 | .1 | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 20.6 | 34.5 | 23.7 | 2.2 | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 100-100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION WALLACE STATION NAME WALLACE YEARS 75-84 MONTH ALL

CLASS ALL HOURS (L.S.T.) ALL

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 2.4 | 2.2 | 2.7 | .2 | | | | | | | | 1.1 | 5.4 |
| NNE | 1.4 | 2.3 | .2 | .2 | | | | | | | | 1.1 | 4.1 |
| NE | 1.4 | 2.2 | .3 | | | | | | | | | 1.1 | 5.1 |
| ENE | 2.4 | 2.4 | 1.4 | | | | | | | | | 1.1 | 4.1 |
| E | 4.1 | 4.1 | 3.2 | | | | | | | | | 1.1 | 5.1 |
| ESE | 1.4 | 2.1 | 1.7 | .1 | | | | | | | | 1.1 | 5.1 |
| SE | 1.4 | 1.3 | 1.2 | .1 | | | | | | | | 1.1 | 5.1 |
| SSE | 1.4 | 1.4 | 1.2 | .3 | | | | | | | | 1.1 | 5.1 |
| S | 1.4 | 2.3 | 2.3 | .3 | | | | | | | | 1.1 | 5.1 |
| SSW | | 1.7 | .2 | .4 | | | | | | | | 1.1 | 5.1 |
| SW | | 1.4 | 1.1 | | | | | | | | | 1.1 | 5.1 |
| WSW | 1.4 | 1.4 | .6 | | | | | | | | | 1.1 | 5.1 |
| W | 2.3 | 2.7 | 2.3 | .1 | | | | | | | | 1.1 | 5.1 |
| WNW | 1.1 | 2.2 | 2.4 | .2 | | | | | | | | 1.1 | 5.1 |
| NW | 1.1 | 1.4 | 1.3 | .4 | | | | | | | | 1.1 | 5.1 |
| NNW | 1.1 | 1.7 | 2.7 | .4 | | | | | | | | 1.1 | 5.1 |
| VARBL | | | | | | | | | | | | 1.1 | 5.1 |
| CALM | | | | | | | | | | | | 1.1 | 5.1 |
| | 24.4 | 27.6 | 24.9 | 2.9 | | | | | | | | 1.1 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 62

U.S. AIR FORCE
 AFM 1-1
 1-1

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME MAXWELL AFB AL YEARS 75-84 MONTH 1-12
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-1700
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 4.8 | 2.6 | .2 | | | | | | | | 1.0 | 3.7 |
| NNE | 3.1 | 2.9 | .3 | | | | | | | | | 1.0 | 3.7 |
| NE | 1.7 | 1.4 | .3 | | | | | | | | | 1.0 | 3.7 |
| ENE | 2.2 | 2.0 | .9 | | | | | | | | | 1.0 | 4.1 |
| E | 3.2 | 5.3 | 1.2 | .2 | | | | | | | | 11.4 | 4.5 |
| ESE | .1 | 2.6 | 1.2 | .1 | | | | | | | | 4.5 | 5.6 |
| SE | .1 | .6 | .9 | .1 | | | | | | | | 1.6 | 5.6 |
| SSE | 1.2 | 2.3 | .9 | .2 | | | | | | | | 4.4 | 5.3 |
| S | 1.3 | 2.4 | .6 | | .1 | | | | | | | 4.5 | 5.3 |
| SSW | 1.1 | 1.2 | .3 | | | | | | | | | 1.0 | 4.6 |
| SW | 1.2 | .5 | .6 | | | | | | | | | 1.3 | 5.1 |
| WSW | 1.5 | 1.2 | .3 | | | | | | | | | 1.0 | 4.6 |
| W | 2.7 | 2.5 | 1.1 | .3 | | | | | | | | 11.4 | 4.5 |
| WNW | 1.2 | 1.2 | .5 | .1 | | | | | | | | 4.5 | 4.6 |
| NW | 1.7 | 2.2 | 1.6 | .2 | | | | | | | | 11.4 | 5.1 |
| NNW | .1 | 1.9 | 2.0 | .1 | | | | | | | | 1.0 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 25.0 | 10.2 | 17.0 | 1.4 | .1 | | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME 7-24 YEARS 1964 MONTH 1

ALL CLASS ALL HOURS (L.S.T.) 0000

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 2.1 | 2.1 | 1.0 | | | | | | | | | 1.1 | 4.2 |
| NNE | 2.1 | 2.1 | | | | | | | | | | 4.2 | 2.1 |
| NE | 2.1 | 2.1 | | | | | | | | | | 4.2 | 2.1 |
| ENE | 2.1 | 2.1 | 1.0 | | | | | | | | | 4.2 | 2.1 |
| E | 2.1 | 4.6 | 1.3 | 1.1 | | | | | | | | 1.1 | 4.2 |
| ESE | 1.1 | 2.3 | 1.6 | 1.1 | | | | | | | | 3.1 | 2.7 |
| SE | 1.1 | 1.4 | 1.2 | | | | | | | | | 1.1 | 2.7 |
| SSE | 1.1 | 1.4 | 1.2 | | | | | | | | | 1.1 | 2.7 |
| S | 1.1 | 1.4 | 1.1 | | | | | | | | | 1.1 | 4.4 |
| SSW | 1.1 | 1.4 | 1.1 | | | | | | | | | 1.1 | 3.1 |
| SW | 1.1 | 1.1 | | | | | | | | | | 1.1 | 2.1 |
| WSW | 1.1 | 1.1 | 1.1 | 1.1 | | | | | | | | 1.1 | 3.1 |
| W | 1.1 | 1.1 | 1.1 | 1.1 | | | | | | | | 1.1 | 3.1 |
| WNW | 2.1 | 1.6 | 1.4 | | | | | | | | | 1.1 | 3.1 |
| NW | 1.1 | 1.2 | 1.1 | | | | | | | | | 1.1 | 3.1 |
| NNW | 2.1 | 2.2 | 1.5 | | | | | | | | | 1.1 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 43.1 | |
| | 2.1 | 2.1 | 5.6 | 1.2 | | | | | | | | 1.1 | 2.1 |

TOTAL NUMBER OF OBSERVATIONS 427

U.S. AIR FORCE
 1. USAFETAC
 2. WEATHER SERVICE / MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAKEHURST AFB AL STATION NAME LAKEHURST AFB AL YEARS 75-79 MONTH 1

CLASS ALL WEATHER HOURS (L.S.T.) 1400-2400

CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 3.2 | 3.2 | .6 | | | | | | | | | 2.5 | 3.3 |
| NNE | 2.2 | 1.5 | | | | | | | | | | 2.4 | 2.4 |
| NE | 2.2 | 1.5 | | | | | | | | | | 2.4 | 2.4 |
| ENE | 1.1 | 2.2 | | | | | | | | | | 4.3 | 3.4 |
| E | 1.1 | 3.3 | 1.9 | | | | | | | | | 7.3 | 5.5 |
| ESE | 1.1 | 1.4 | 1.3 | | | | | | | | | 3.8 | 5.3 |
| SE | .4 | .3 | .5 | | | | | | | | | 1.2 | 2.1 |
| SSE | .2 | .5 | .3 | | | | | | | | | 1.0 | 4.4 |
| S | 1.1 | 1.1 | .2 | | | | | | | | | 2.4 | 3.3 |
| SSW | .2 | .5 | | | | | | | | | | 1.1 | 3.7 |
| SW | .2 | | | | | | | | | | | .2 | 2.0 |
| WSW | .2 | | | | | | | | | | | .2 | 1.5 |
| W | 1.1 | .4 | .5 | .2 | | | | | | | | 2.2 | 4.2 |
| WNW | .2 | .2 | .5 | | | | | | | | | 1.1 | 4.2 |
| NW | 1.1 | 1.7 | | | | | | | | | | 2.8 | 3.2 |
| NNW | 1.1 | 2.4 | .2 | | | | | | | | | 3.7 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.4 | |
| | 24.4 | 21.2 | 5.3 | .2 | | | | | | | | 10.3 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 474

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

| STATION | STATION NAME | YEARS | DIRECTION |
|---------|--------------|-------|----------------|
| | | | |
| | ALL REPAIRS | | HOURS (L.S.T.) |
| | CONDITION | | |

[illegible]TOTAL NUMBER OF OBSERVATIONS 1

U.S. AIR FORCE
 10-8-5 (OL-A)
 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2-2 GRANITE COAL STATION NAME 75-24 YEARS 1954 MONTH 1

ALL CLIM 1

CONDITION CLIM

HOURES (L.S.T.) 1

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 3.4 | 2.1 | .1 | | | | | | | | 7.6 | 3.8 |
| NNE | 2.7 | 2.2 | 1.1 | | | | | | | | | 6.0 | 4.4 |
| NE | 2.7 | 2.2 | 1.1 | .1 | | | | | | | | 6.0 | 4.4 |
| ENE | 3.7 | 5.2 | .7 | | | | | | | | | 7.6 | 4.1 |
| E | 5.2 | 5.4 | 2.5 | | | | | | | | | 11.1 | 4.8 |
| ESE | .7 | 3.3 | 1.3 | .1 | | | | | | | | 5.3 | 3.0 |
| SE | .7 | 2.8 | 1.6 | .2 | | | | | | | | 5.3 | 3.0 |
| SSE | .7 | 2.8 | 1.1 | .4 | | | | | | | | 5.3 | 3.0 |
| S | .7 | 1.1 | 1.7 | 1.2 | | | | | | | | 5.3 | 7.7 |
| SSW | 1.2 | .4 | .2 | .2 | | | | | | | | 2.8 | 5.7 |
| SW | 1.2 | .4 | .6 | | | | | | | | | 2.8 | 4.4 |
| WSW | 1.2 | 1.2 | .6 | | | | | | | | | 2.8 | 4.4 |
| W | .4 | 1.3 | 1.2 | .2 | | | | | | | | 4.1 | 6.7 |
| WNW | 1.1 | 1.7 | 2.1 | .6 | .1 | | | | | | | 5.4 | 6.7 |
| NW | .1 | 1.1 | 2.8 | 1.9 | | | | | | | | 5.7 | 6.7 |
| NNW | .1 | 1.3 | 1.2 | .4 | | | | | | | | 2.8 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.2 | |
| | 22.4 | 35.6 | 23.9 | 4.7 | .1 | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
CLIMATE DIVISION
ATLANTA, GEORGIA

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WALLACE WOOD AL STATION NAME 75-144 YEARS 1950 MONTH 1-14

CLASS ALL WEATHER HOURS (L.S.T.) 1-14

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 2.1 | 3.6 | 1.7 | | | | | | | | | 2.4 | 4.4 |
| NNE | 2.1 | 1.7 | .2 | .1 | | | | | | | | 1.4 | 4.4 |
| NE | 1.1 | 2.1 | .4 | .1 | | | | | | | | 1.4 | 4.7 |
| ENE | 1.1 | 2.7 | .3 | | | | | | | | | 4.7 | 4.1 |
| E | 2.1 | 2.1 | .2 | | | | | | | | | 2.4 | 4.2 |
| ESE | 1.1 | 3.1 | 1.4 | .1 | | | | | | | | 1.4 | 4.2 |
| SE | 1.2 | 1.7 | 1.0 | .2 | | | | | | | | .2 | 1.2 |
| SSE | 1.1 | 2.1 | 2.1 | .4 | | | | | | | | 2.4 | 1.4 |
| S | 1.1 | 2.1 | 2.4 | 2.1 | .1 | | | | | | | 2.4 | 1.4 |
| SSW | 1.2 | 1.2 | 1.4 | 1.3 | | | | | | | | 1.4 | 7.5 |
| SW | .2 | 1.7 | .6 | .1 | | | | | | | | .2 | 1.1 |
| WSW | 1.1 | .6 | .7 | .1 | | .1 | | | | | | 1.1 | 1.5 |
| W | 1.4 | 2.1 | 2.2 | .8 | | | | | | | | 1.4 | 1.5 |
| WNW | 1.1 | 1.1 | 2.2 | 1.0 | | | | | | | | 1.1 | 7.5 |
| NW | .1 | 1.2 | 1.1 | 1.2 | | | | | | | | 1.1 | 1.5 |
| NNW | .1 | 2.2 | 2.7 | 1.2 | .1 | | | | | | | 2.1 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 21.4 | 35.6 | 25.4 | 5.6 | .2 | .1 | | | | | | 1.1 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILLIS AFB STATION NAME WILLIS AFB YEARS 7-14 MONTH NOV

ALL ATHER CLASS ALL MONTHS (L.S.Y.) 1-12

CONDITION ALL

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 2.0 | 4.0 | 1.0 | | | | | | | | | 2.7 | 4.0 |
| NNE | 1.0 | 1.0 | 1.0 | | | | | | | | | 1.0 | 3.0 |
| NE | 1.0 | 1.0 | 2.0 | | | | | | | | | 1.0 | 3.0 |
| ENE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 3.0 |
| E | 1.0 | 4.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 4.0 |
| ESE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 3.0 |
| SE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 3.0 |
| SSE | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 3.0 |
| S | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| SSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| SW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| WSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| NW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| NNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| VARBL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |
| CALM | | | | | | | | | | | | 1.0 | 3.0 |
| | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS

6.27

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION MAA-ALL-APG-AL STATION NAME 75-54 YEARS 1957 MONTH 12

CLASS ALL-AT-400 HOURS (L.S.T.) 13-17

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 2.2 | 2.1 | .2 | | | | | | | | | 5.5 | 4.5 |
| NNE | 2.2 | 1.2 | .2 | | | | | | | | | 4.1 | 3.1 |
| NE | 1.2 | 1.0 | | | | | | | | | | 2.2 | 2.0 |
| ENE | 1.2 | 1.3 | | | | | | | | | | 2.5 | 2.0 |
| E | 2.2 | 3.1 | .1 | .2 | | | | | | | | 5.6 | 4.5 |
| ESE | 1.2 | 1.4 | 1.1 | | | | | | | | | 3.7 | 3.0 |
| SE | .1 | 1.4 | .1 | .2 | | | | | | | | 2.8 | 2.0 |
| SSE | .3 | 1.2 | .2 | .3 | | | | | | | | 4.0 | 4.0 |
| S | .2 | 1.4 | .2 | 1.0 | | | | | | | | 3.4 | 3.7 |
| SSW | .2 | .7 | .1 | .2 | | | | | | | | 1.2 | 2.4 |
| SW | .1 | .1 | | | | | | | | | | .4 | 2.0 |
| WSW | 1.2 | .2 | | | | | | | | | | 1.4 | 2.5 |
| W | 1.2 | 1.4 | .1 | .1 | | | | | | | | 2.7 | 4.5 |
| WNW | 1.4 | 2.1 | 1.2 | .1 | | | | | | | | 3.8 | 4.2 |
| NW | 2.2 | 2.1 | 1.4 | .2 | | | | | | | | 7.4 | 4.5 |
| NNW | 1.2 | 2.1 | 1.1 | .1 | | | | | | | | 4.5 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 26.1 | 23.5 | 1.9 | 2.7 | | | | | | | | 1.0 | 2.7 |

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 111111 STATION NAME 111111 YEARS 1111 MONTH 11

CLASS ALL - SEALED

CONDITION 1111

HOURS (L.S.T.) 1111

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 1111

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 46 STATION NAME ALL WEATHER YEARS 73-74 MONTH

CLASS ALL WEATHER HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 1

AD-A159 603

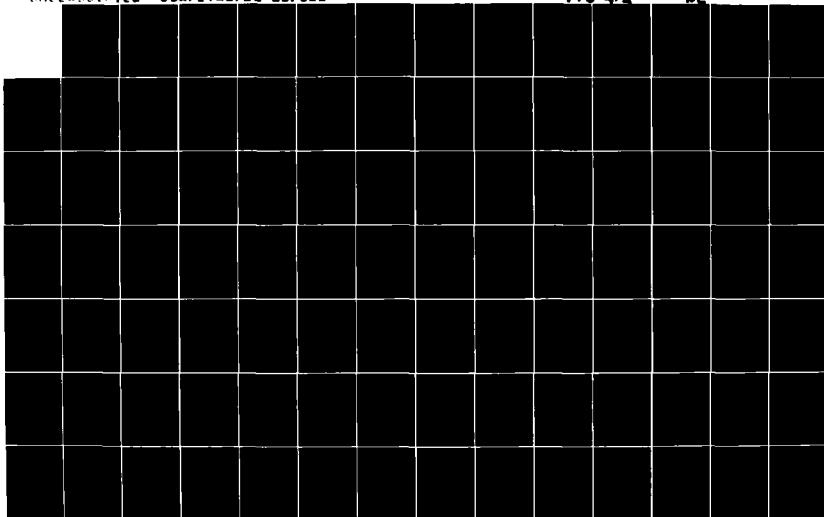
MAXWELL AFB ALABAMA LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (LISOCs..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 85
USAFETAC/DS-85/025

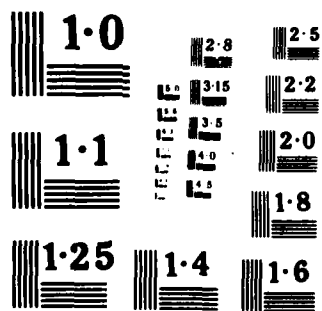
2/4

UNCLASSIFIED

F/G 4/2

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U.S. AIR FORCE
 AFMPC
 AIRCRAFT SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PERMELL AF - AL STATION NAME 75-24 YEARS DEC
 MONTH 12-1-75
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0000-2359
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------------|
| N | 1.1 | 2.1 | 3.2 | 1.1 | | | | | | | | 1.1 | 6.0 |
| NNE | 1.1 | 1.1 | 1.2 | | | | | | | | | 1.1 | 6.1 |
| NE | 2.1 | 1.4 | 1.5 | | | | | | | | | 1.1 | 6.1 |
| ENE | 1.1 | 2.7 | 1.3 | | | | | | | | | 1.1 | 6.1 |
| E | 1.1 | 4.7 | 1.2 | 1.4 | | | | | | | | 1.1 | 6.1 |
| ESE | 1.1 | 2.1 | 1.3 | 1.2 | | | | | | | | 1.1 | 6.1 |
| SE | 1.2 | 1.5 | 1.2 | 1.1 | 1.1 | | | | | | | 1.1 | 6.1 |
| SSE | 1.1 | 1.6 | 1.1 | 1.4 | | | | | | | | 1.1 | 6.7 |
| S | 1.1 | 1.1 | 1.7 | 1.5 | | | | | | | | 1.1 | 6.1 |
| SSW | 1.1 | 1.7 | 1.2 | 1.1 | | | | | | | | 1.1 | 6.1 |
| SW | 1.1 | 1.7 | 1.1 | 1.5 | | | | | | | | 1.1 | 6.1 |
| WSW | 1.4 | 1.7 | 1.5 | 1.5 | | | | | | | | 1.1 | 6.1 |
| W | 1.5 | 1.2 | 1.1 | 1.8 | | | | | | | | 1.1 | 6.1 |
| WNW | 1.1 | 1.9 | 1.5 | 1.2 | | | | | | | | 1.1 | 6.1 |
| NW | 1.2 | 1.7 | 1.4 | 1.5 | | | | | | | | 1.1 | 7.1 |
| NNW | 1.1 | 2.4 | 1.7 | 1.7 | 1.1 | | | | | | | 1.1 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 27.2 | 27.1 | 24.1 | 1.6 | 1.1 | | | | | | | 1.1 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 44

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

| | | | |
|---------|--------------|-------|----------------|
| STATION | STATION NAME | YEARS | DATE |
| | ALL DETAILS | | HOURS (L.S.Y.) |
| | CONDITION | | |

[illegible]**TOTAL NUMBER OF OBSERVATIONS**

U.S. AIR FORCE CLIMATE DIVISION
 AFM 1-10
 ALL WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-000 STATION NAME WALLACE AFB AL YEARS 70-84 MONTH ALL
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0-12
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | 3.4 | 2.7 | .5 | | | | | | | | 5.9 | 4.5 |
| NNE | 2.3 | 1.2 | | | | | | | | | | 3.5 | 2.5 |
| NE | 1.1 | .7 | .2 | | | | | | | | | 2.0 | 3.6 |
| ENE | 1.1 | 1.2 | .4 | | | | | | | | | 2.7 | 3.6 |
| E | .1 | 3.4 | 2.7 | .1 | | | | | | | | 6.3 | 4.5 |
| ESE | .7 | .4 | .4 | .1 | | | | | | | | 1.6 | 5.0 |
| SE | .7 | .9 | 1.1 | | | | | | | | | 3.7 | 5.6 |
| SSE | 1.1 | 1.6 | 1.2 | .2 | | | | | | | | 4.1 | 5.4 |
| S | 2.1 | 2.0 | 2.7 | .9 | | | | | | | | 7.7 | 5.4 |
| SSW | 1.7 | 2.1 | 1.0 | .2 | | | | | | | | 4.0 | 5.0 |
| SW | 1.1 | 1.1 | 1.1 | | | | | | | | | 4.4 | 4.0 |
| WSW | 1.2 | 1.1 | .7 | .4 | | | | | | | | 3.4 | 5.3 |
| W | 1.7 | 3.7 | 1.5 | .5 | | | | | | | | 7.4 | 5.0 |
| WNW | 1.2 | 1.1 | 2.7 | .5 | .1 | | | | | | | 5.6 | 6.0 |
| NW | 1.2 | 1.2 | 1.1 | 1.1 | .1 | | | | | | | 4.7 | 7.5 |
| NNW | 1.1 | 2.2 | 2.7 | 1.3 | .2 | | | | | | | 5.5 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | 27.1 | 24.2 | 21.7 | 5.9 | .5 | | | | | | | 104.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 1040

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WELL RD AL STATION NAME 75-44 YEARS 1961 MONTH 12

ALL WEATHER CLASS 10-20 HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 0.0 | 0.0 | 0.1 | 0.2 | | | | | | | | 0.4 | 5.0 |
| NNE | 1.0 | 0.2 | 0.1 | | | | | | | | | 1.3 | 5.0 |
| NE | 1.0 | 0.4 | | | | | | | | | | 1.4 | 5.0 |
| ENE | 1.0 | 1.2 | 0.2 | | | | | | | | | 2.4 | 5.0 |
| E | 0.2 | 3.5 | 0.4 | | | | | | | | | 4.1 | 5.0 |
| ESE | 1.0 | 2.3 | 0.2 | 0.4 | | | | | | | | 3.9 | 5.0 |
| SE | 0.4 | 1.0 | 0.2 | | | | | | | | | 1.6 | 4.0 |
| SSE | 1.0 | 1.2 | 0.2 | | | | | | | | | 2.4 | 4.0 |
| S | 2.0 | 2.0 | 2.1 | 0.1 | | | | | | | | 6.2 | 4.0 |
| SSW | 0.4 | 0.4 | 0.3 | 0.3 | | | | | | | | 1.4 | 3.0 |
| SW | 0.2 | 0.2 | 0.1 | | | | | | | | | 0.5 | 2.0 |
| WSW | 1.0 | 0.1 | | 0.1 | | | | | | | | 1.2 | 2.0 |
| W | 2.0 | 0.4 | 0.3 | | | | | | | | | 2.7 | 3.0 |
| WNW | 1.0 | 0.4 | 1.0 | 0.1 | | | | | | | | 2.5 | 3.0 |
| NW | 2.0 | 2.1 | 2.7 | 0.1 | | | | | | | | 7.9 | 3.0 |
| NNW | 1.0 | 2.0 | 1.0 | 0.5 | | | | | | | | 4.5 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.0 | |
| | 24.7 | 24.7 | 14.6 | 1.0 | | | | | | | | 44.3 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS

172

1
 NATIONAL METEOROLOGICAL SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAXWELL AFB AL STATION NAME 75-64 YEARS DEC
 CLASS ALL WEATHER HOURS (L.S.T.) 0100-2300
 CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.2 | 3.7 | 2.5 | .1 | | | | | | | | 4.4 | 5.0 |
| NNE | 1.0 | 2.3 | .1 | | | | | | | | | 3.4 | 3.0 |
| NE | 1.7 | .9 | | | | | | | | | | 2.6 | 2.3 |
| ENE | 1.4 | 1.2 | .1 | | | | | | | | | 2.7 | 3.7 |
| E | 1.5 | 3.7 | 1.2 | | | | | | | | | 6.4 | 3.0 |
| ESE | .1 | 1.6 | 1.1 | | | | | | | | | 3.4 | 3.1 |
| SE | .5 | .5 | .5 | .1 | | | | | | | | 1.7 | 5.7 |
| SSE | .4 | .4 | .5 | | | | | | | | | 2.2 | 4.0 |
| S | 2.2 | 2.2 | 2.4 | | | .1 | | | | | | 7.3 | 5.4 |
| SSW | .8 | 1.6 | 1.4 | .1 | | | | | | | | 3.9 | 5.9 |
| SW | .7 | .1 | | | | | | | | | | .0 | 2.3 |
| WSW | .4 | .3 | | | | | | | | | | 1.1 | 2.0 |
| W | .2 | .2 | .4 | | | | | | | | | .0 | 3.4 |
| WNW | 2.1 | 1.6 | 1.7 | .1 | | | | | | | | .0 | 5.1 |
| NW | 1.5 | 2.0 | 1.3 | .5 | | | | | | | | 5.4 | 5.7 |
| NNW | 1.4 | 2.2 | 1.0 | .1 | | | | | | | | 5.7 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.4 | |
| | 21.1 | 25.2 | 15.1 | 1.2 | | .1 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 121

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CEILING VERSUS VISIBILITY

PART 3

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling," versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and the tables are presented by month and available 3-hour groups.

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the 10 mi visibility category should be used with great caution.

For overseas civilian stations reporting "CAVOK", all ceilings greater than 5,000 feet are suppressed into the 5,000 foot ceiling class.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GF 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 12.8 | 36.9 | 38.8 | 39.8 | 40.4 | 40.8 | 41.7 | 41.9 | 41.9 | 42.4 | 42.4 | 42.7 | 43.2 | 43.2 | 43.3 | 43.7 |
| GF 20000 | 13.6 | 39.0 | 41.2 | 42.4 | 43.1 | 43.5 | 44.3 | 44.6 | 44.6 | 45.1 | 45.1 | 45.3 | 45.8 | 45.8 | 46.0 | 46.3 |
| GF 18000 | 13.6 | 39.0 | 41.2 | 42.4 | 43.1 | 43.5 | 44.3 | 44.6 | 44.6 | 45.1 | 45.1 | 45.3 | 45.8 | 45.8 | 46.0 | 46.3 |
| GF 16000 | 13.6 | 39.0 | 41.2 | 42.4 | 43.1 | 43.5 | 44.3 | 44.6 | 44.6 | 45.1 | 45.1 | 45.3 | 45.8 | 45.8 | 46.0 | 46.3 |
| GF 14000 | 13.7 | 39.4 | 41.7 | 42.9 | 43.6 | 44.0 | 44.8 | 45.1 | 45.1 | 45.6 | 45.6 | 45.8 | 46.3 | 46.3 | 46.5 | 46.9 |
| GF 12000 | 13.7 | 40.7 | 42.9 | 44.2 | 44.8 | 45.2 | 46.1 | 46.3 | 46.3 | 46.9 | 46.9 | 47.1 | 47.6 | 47.6 | 47.7 | 48.1 |
| GF 10000 | 14.0 | 43.5 | 46.2 | 47.7 | 48.4 | 48.7 | 49.6 | 49.9 | 49.9 | 50.4 | 50.4 | 50.6 | 51.1 | 51.1 | 51.3 | 51.6 |
| GF 9000 | 14.2 | 44.2 | 47.0 | 48.5 | 49.1 | 49.5 | 50.4 | 50.6 | 50.6 | 51.1 | 51.1 | 51.4 | 51.9 | 51.9 | 52.0 | 52.4 |
| GE 8000 | 14.6 | 46.7 | 49.6 | 51.1 | 51.8 | 52.1 | 53.1 | 53.4 | 53.4 | 53.9 | 53.9 | 54.2 | 54.7 | 54.7 | 54.8 | 55.2 |
| GE 7000 | 15.0 | 47.2 | 50.3 | 51.9 | 52.5 | 52.9 | 53.9 | 54.2 | 54.2 | 54.7 | 54.7 | 54.9 | 55.4 | 55.4 | 55.5 | 55.9 |
| GF 6000 | 15.0 | 47.6 | 50.9 | 52.5 | 53.1 | 53.5 | 54.5 | 54.8 | 54.8 | 55.3 | 55.3 | 55.5 | 56.0 | 56.0 | 56.2 | 56.5 |
| GE 5000 | 15.4 | 49.7 | 53.3 | 54.9 | 55.5 | 55.9 | 56.9 | 57.2 | 57.2 | 57.7 | 57.7 | 57.9 | 58.4 | 58.4 | 58.6 | 58.9 |
| GE 4500 | 15.5 | 50.4 | 53.9 | 55.5 | 56.2 | 56.5 | 57.6 | 57.8 | 57.8 | 58.3 | 58.3 | 58.6 | 59.1 | 59.1 | 59.2 | 59.6 |
| GE 4000 | 15.7 | 51.1 | 54.9 | 56.7 | 57.3 | 57.7 | 58.7 | 58.9 | 58.9 | 59.4 | 59.4 | 59.7 | 60.2 | 60.2 | 60.3 | 60.7 |
| GE 3500 | 15.9 | 52.3 | 56.3 | 58.1 | 58.7 | 59.1 | 60.3 | 60.6 | 60.6 | 61.2 | 61.2 | 61.5 | 62.0 | 62.0 | 62.1 | 62.6 |
| GE 3000 | 16.4 | 53.5 | 57.7 | 59.6 | 60.2 | 60.6 | 61.8 | 62.1 | 62.1 | 62.7 | 62.7 | 63.0 | 63.5 | 63.5 | 63.6 | 64.1 |
| GE 2500 | 17.0 | 55.7 | 60.2 | 62.5 | 63.2 | 63.7 | 65.4 | 65.6 | 65.6 | 66.5 | 66.5 | 66.8 | 67.3 | 67.3 | 67.4 | 67.9 |
| GE 2000 | 17.1 | 58.7 | 63.4 | 65.6 | 66.6 | 67.1 | 68.9 | 69.1 | 69.1 | 70.0 | 70.0 | 70.3 | 70.8 | 70.8 | 71.0 | 71.7 |
| GE 1800 | 17.4 | 59.9 | 64.6 | 66.9 | 67.9 | 68.4 | 70.2 | 70.4 | 70.4 | 71.3 | 71.3 | 71.5 | 72.0 | 72.0 | 72.3 | 72.9 |
| GE 1500 | 17.9 | 62.6 | 67.6 | 70.3 | 71.4 | 71.9 | 73.7 | 74.1 | 74.1 | 74.9 | 75.1 | 75.3 | 75.8 | 75.8 | 76.1 | 76.7 |
| GE 1200 | 18.1 | 64.2 | 69.6 | 72.8 | 74.3 | 74.9 | 76.8 | 77.2 | 77.5 | 78.3 | 78.5 | 78.7 | 79.2 | 79.2 | 79.5 | 80.2 |
| GE 1000 | 18.1 | 65.1 | 71.2 | 74.6 | 76.1 | 76.7 | 78.8 | 79.5 | 79.7 | 80.7 | 80.9 | 81.1 | 81.6 | 81.6 | 81.9 | 82.6 |
| GE 900 | 18.5 | 66.8 | 73.0 | 76.4 | 78.0 | 78.6 | 81.1 | 81.7 | 82.0 | 83.0 | 83.1 | 83.4 | 83.9 | 83.9 | 84.1 | 84.9 |
| GF 800 | 18.5 | 67.4 | 74.2 | 77.8 | 79.3 | 80.4 | 83.1 | 83.9 | 84.1 | 85.4 | 85.5 | 85.8 | 86.3 | 86.3 | 86.5 | 87.3 |
| GF 700 | 18.5 | 67.9 | 74.8 | 78.5 | 80.0 | 81.0 | 83.8 | 84.8 | 85.0 | 86.5 | 86.6 | 86.9 | 87.4 | 87.4 | 87.7 | 88.4 |
| GF 600 | 18.5 | 67.9 | 75.1 | 79.1 | 80.9 | 82.0 | 85.1 | 86.4 | 86.9 | 88.4 | 88.5 | 88.8 | 89.4 | 89.5 | 89.8 | 90.6 |
| GE 500 | 18.5 | 68.0 | 75.7 | 79.7 | 81.9 | 83.0 | 86.3 | 87.7 | 88.2 | 89.9 | 90.4 | 90.7 | 91.4 | 91.6 | 91.8 | 92.6 |
| GE 400 | 18.5 | 68.5 | 76.3 | 80.4 | 82.6 | 83.8 | 87.8 | 89.4 | 90.2 | 91.9 | 92.4 | 93.1 | 94.2 | 94.3 | 94.6 | 95.3 |
| GE 300 | 18.5 | 68.8 | 76.6 | 80.7 | 83.0 | 84.1 | 88.3 | 89.9 | 90.7 | 92.7 | 94.2 | 94.5 | 96.0 | 96.1 | 96.7 | 97.5 |
| GF 200 | 18.5 | 68.8 | 76.6 | 80.7 | 83.0 | 84.1 | 88.4 | 90.1 | 90.9 | 93.1 | 94.6 | 94.8 | 97.0 | 97.2 | 98.0 | 98.7 |
| GE 100 | 18.5 | 68.8 | 76.6 | 80.7 | 83.0 | 84.1 | 88.4 | 90.1 | 90.8 | 93.1 | 94.6 | 94.8 | 97.1 | 97.5 | 98.5 | 99.7 |
| GF 0 | 18.5 | 68.8 | 76.6 | 80.7 | 83.0 | 84.1 | 88.4 | 90.1 | 90.8 | 93.1 | 94.6 | 94.8 | 97.1 | 97.5 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(IST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|
| IN FEET | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 17.3 | 40.8 | 41.7 | 41.9 | 42.1 | 42.2 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| GE 20000 | 19.1 | 45.9 | 47.1 | 47.3 | 47.5 | 47.6 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GF 18000 | 19.1 | 46.2 | 47.3 | 47.5 | 47.7 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| GF 16000 | 19.1 | 46.2 | 47.3 | 47.5 | 47.7 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| GF 14000 | 19.3 | 46.4 | 47.5 | 47.7 | 48.0 | 48.1 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| GE 12000 | 19.6 | 47.7 | 49.1 | 49.3 | 49.5 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| GE 10000 | 20.2 | 50.6 | 52.5 | 52.7 | 53.0 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| GF 9000 | 20.2 | 50.8 | 52.7 | 52.9 | 53.3 | 53.4 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| GF 8000 | 20.3 | 53.3 | 55.2 | 55.4 | 55.7 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| GF 7000 | 20.5 | 54.6 | 56.5 | 56.8 | 57.1 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| GE 6000 | 20.8 | 56.0 | 57.9 | 58.1 | 58.4 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GF 5000 | 21.2 | 58.3 | 60.5 | 60.7 | 61.0 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GF 4500 | 21.2 | 58.8 | 61.0 | 61.4 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| GF 4000 | 21.3 | 59.2 | 61.5 | 61.8 | 62.2 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GF 3500 | 21.5 | 60.1 | 62.7 | 63.2 | 63.5 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GF 3000 | 22.1 | 62.0 | 64.6 | 65.2 | 65.5 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GF 2500 | 22.5 | 64.5 | 67.5 | 68.1 | 68.7 | 68.8 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 2000 | 23.0 | 67.8 | 70.8 | 71.5 | 72.2 | 72.4 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GF 1800 | 23.2 | 69.1 | 72.3 | 73.1 | 73.8 | 74.0 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 1500 | 23.5 | 71.5 | 75.2 | 76.5 | 77.3 | 77.6 | 77.9 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GF 1200 | 24.0 | 73.3 | 77.7 | 79.1 | 80.1 | 80.5 | 81.3 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 1000 | 24.1 | 74.4 | 79.4 | 81.1 | 82.3 | 82.9 | 83.8 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GF 900 | 24.4 | 75.9 | 81.6 | 83.4 | 84.8 | 85.6 | 86.7 | 87.4 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 800 | 24.4 | 77.0 | 83.0 | 85.4 | 87.0 | 88.0 | 89.2 | 89.9 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 700 | 24.4 | 77.3 | 83.4 | 85.9 | 87.8 | 88.7 | 90.0 | 90.9 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 600 | 24.4 | 77.7 | 84.0 | 86.6 | 88.9 | 89.9 | 91.2 | 92.1 | 92.7 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 500 | 24.4 | 78.2 | 84.5 | 87.4 | 89.9 | 91.3 | 92.9 | 94.1 | 94.5 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GF 400 | 24.4 | 78.3 | 84.7 | 88.0 | 90.5 | 92.0 | 93.7 | 94.9 | 95.6 | 96.5 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 300 | 24.4 | 78.3 | 84.8 | 88.1 | 90.7 | 92.1 | 93.9 | 95.3 | 96.2 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 200 | 24.4 | 78.3 | 84.8 | 88.1 | 90.7 | 92.1 | 93.9 | 95.4 | 96.3 | 97.4 | 98.6 | 98.6 | 99.4 | 99.5 | 99.5 | 99.7 |
| GE 100 | 24.4 | 78.3 | 84.8 | 88.1 | 90.7 | 92.1 | 93.9 | 95.4 | 96.3 | 97.4 | 98.6 | 98.6 | 99.5 | 99.7 | 99.7 | 100.0 |
| GF 0 | 24.4 | 78.3 | 84.8 | 88.1 | 90.7 | 92.1 | 93.9 | 95.4 | 96.3 | 97.4 | 98.6 | 98.6 | 99.5 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 969

412

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(IST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | 23.3 | 47.4 | 48.0 | 48.1 | 48.1 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| GE 20000 | 25.2 | 52.1 | 52.2 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 18000 | 25.2 | 52.4 | 52.5 | 52.6 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| GE 16000 | 25.2 | 52.4 | 52.5 | 52.6 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| GE 14000 | 25.6 | 53.3 | 53.4 | 53.5 | 53.5 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| GE 12000 | 25.7 | 54.3 | 54.4 | 54.5 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| GE 10000 | 26.9 | 57.8 | 57.9 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 9000 | 27.1 | 58.3 | 58.4 | 58.5 | 58.5 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 8000 | 27.4 | 62.6 | 62.8 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 7000 | 27.5 | 63.9 | 64.2 | 64.4 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| GE 6000 | 27.8 | 64.5 | 64.7 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 5000 | 29.1 | 65.7 | 66.1 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 4500 | 28.4 | 66.5 | 66.9 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 4000 | 28.5 | 67.6 | 68.0 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 3500 | 28.9 | 69.6 | 70.2 | 70.6 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 3000 | 29.3 | 71.9 | 72.6 | 73.0 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 2500 | 29.4 | 74.3 | 75.1 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 2000 | 29.7 | 78.7 | 79.6 | 80.2 | 80.4 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 1800 | 29.8 | 79.8 | 80.7 | 81.5 | 81.7 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 1500 | 30.0 | 81.2 | 82.4 | 83.4 | 83.8 | 84.0 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 1200 | 30.3 | 82.7 | 84.0 | 85.3 | 86.1 | 86.4 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1000 | 30.3 | 83.6 | 85.4 | 86.9 | 88.0 | 88.3 | 89.3 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 900 | 30.4 | 85.2 | 87.2 | 88.9 | 90.1 | 90.4 | 91.6 | 91.9 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 800 | 30.6 | 85.4 | 87.8 | 89.6 | 90.9 | 91.2 | 92.5 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 700 | 30.6 | 85.7 | 88.5 | 90.6 | 92.2 | 92.6 | 93.8 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 600 | 30.6 | 86.2 | 89.0 | 91.1 | 93.1 | 93.5 | 94.7 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 500 | 30.6 | 86.5 | 89.9 | 92.2 | 94.3 | 94.7 | 96.0 | 97.1 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 400 | 30.6 | 86.6 | 90.1 | 92.5 | 94.6 | 95.3 | 96.7 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 300 | 30.6 | 86.6 | 90.1 | 92.5 | 94.6 | 95.3 | 96.7 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 200 | 30.6 | 86.6 | 90.1 | 92.5 | 94.6 | 95.3 | 96.7 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 100 | 30.6 | 86.6 | 90.1 | 92.5 | 94.6 | 95.3 | 96.7 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 0 | 30.6 | 86.6 | 90.1 | 92.5 | 94.6 | 95.3 | 96.7 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(EST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GF 0 |
| NO CEIL | 23.6 | 48.7 | 48.9 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| GE 20000 | 26.2 | 54.9 | 55.2 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 18000 | 26.2 | 54.9 | 55.2 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 16000 | 26.5 | 55.4 | 55.7 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| GE 14000 | 26.9 | 56.0 | 56.4 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GE 12000 | 27.7 | 57.5 | 57.8 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GF 10000 | 28.7 | 59.6 | 60.0 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| GF 9000 | 28.7 | 60.0 | 60.3 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| GF 8000 | 29.8 | 64.3 | 64.6 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GF 7000 | 30.0 | 64.5 | 66.0 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GF 6000 | 30.3 | 66.5 | 67.0 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 5000 | 30.6 | 68.1 | 68.5 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GF 4500 | 30.7 | 68.5 | 69.0 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GF 4000 | 31.0 | 70.5 | 70.9 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 3500 | 31.2 | 71.8 | 72.3 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 3000 | 31.6 | 74.0 | 74.6 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 2500 | 31.6 | 76.7 | 77.3 | 78.0 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GF 2000 | 31.9 | 79.8 | 81.1 | 82.0 | 82.5 | 82.5 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GF 1800 | 31.9 | 80.4 | 81.6 | 82.6 | 83.2 | 83.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 1500 | 31.9 | 81.6 | 83.2 | 84.6 | 85.1 | 85.1 | 85.9 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 1200 | 32.0 | 83.3 | 85.1 | 86.7 | 87.3 | 87.3 | 88.3 | 88.6 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GF 1000 | 32.0 | 84.4 | 86.9 | 88.7 | 89.4 | 89.4 | 90.5 | 90.9 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GF 900 | 32.1 | 85.1 | 88.4 | 90.5 | 91.3 | 91.3 | 92.4 | 92.8 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GF 800 | 32.1 | 85.3 | 88.7 | 91.1 | 92.4 | 92.4 | 93.6 | 93.9 | 94.1 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GF 700 | 32.2 | 85.8 | 89.4 | 92.0 | 93.6 | 93.6 | 94.8 | 95.2 | 95.4 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 600 | 32.2 | 86.1 | 89.7 | 92.9 | 94.7 | 94.8 | 96.2 | 96.5 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 500 | 32.2 | 86.1 | 89.7 | 92.9 | 95.2 | 95.5 | 96.8 | 97.5 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 400 | 32.2 | 86.1 | 89.7 | 92.9 | 95.2 | 95.5 | 96.8 | 97.6 | 98.3 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 300 | 32.2 | 86.1 | 89.7 | 92.9 | 95.2 | 95.5 | 96.8 | 97.6 | 98.5 | 99.0 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 200 | 32.2 | 86.1 | 89.7 | 92.9 | 95.2 | 95.5 | 96.8 | 97.6 | 98.5 | 99.0 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 |
| GF 100 | 32.2 | 86.1 | 89.7 | 92.9 | 95.2 | 95.5 | 96.8 | 97.6 | 98.5 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |
| GF 0 | 32.2 | 86.1 | 89.7 | 92.9 | 95.2 | 95.5 | 96.8 | 97.6 | 98.5 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 87

GLOBAL CLIMATOLOGY BRANCH
USAF/FL7AC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 5 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 21.9 | 51.5 | 52.0 | 52.4 | 52.9 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| GE 20000 | 22.8 | 54.3 | 54.7 | 55.2 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 18000 | 22.8 | 54.3 | 54.7 | 55.2 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 16000 | 23.2 | 54.6 | 55.1 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 14000 | 23.7 | 55.2 | 55.6 | 56.1 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| GE 12000 | 24.2 | 56.6 | 57.1 | 57.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| GE 10000 | 25.0 | 58.7 | 59.1 | 59.6 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 9000 | 25.1 | 59.0 | 59.5 | 59.9 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| GE 8000 | 25.7 | 62.1 | 62.8 | 63.2 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 7000 | 26.4 | 63.2 | 63.9 | 64.4 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 6000 | 26.8 | 63.7 | 64.6 | 65.0 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 5000 | 27.4 | 65.5 | 66.6 | 67.1 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 4500 | 27.4 | 66.2 | 67.4 | 68.0 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 4000 | 27.4 | 67.3 | 68.8 | 69.4 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 3500 | 27.6 | 68.6 | 70.0 | 70.7 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 3000 | 27.8 | 71.7 | 73.2 | 74.0 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 2500 | 28.0 | 74.9 | 76.8 | 77.8 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 2100 | 28.6 | 78.2 | 80.5 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 1800 | 28.6 | 79.1 | 81.5 | 82.7 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 1500 | 28.7 | 81.2 | 84.0 | 85.5 | 86.3 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 1200 | 28.7 | 82.0 | 85.5 | 87.1 | 87.9 | 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 1000 | 28.7 | 82.9 | 87.2 | 88.9 | 89.7 | 89.8 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 |
| GE 900 | 28.7 | 83.8 | 88.3 | 90.1 | 90.9 | 91.0 | 91.8 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 |
| GE 800 | 28.7 | 83.9 | 88.4 | 90.5 | 91.5 | 91.6 | 92.4 | 92.8 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 |
| GE 700 | 28.7 | 84.2 | 88.4 | 90.9 | 92.4 | 92.5 | 93.3 | 93.8 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 |
| GE 600 | 28.7 | 84.6 | 89.2 | 91.6 | 93.5 | 93.8 | 94.9 | 95.6 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 |
| GE 500 | 28.7 | 84.8 | 89.7 | 92.2 | 94.4 | 94.9 | 96.3 | 96.9 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 |
| GE 400 | 28.7 | 84.9 | 89.8 | 92.4 | 94.4 | 95.2 | 96.7 | 97.4 | 97.8 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 |
| GE 300 | 28.7 | 84.9 | 89.8 | 92.5 | 95.1 | 95.5 | 97.2 | 97.8 | 98.3 | 98.8 | 98.8 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 |
| GE 200 | 28.7 | 84.9 | 89.8 | 92.5 | 95.1 | 95.5 | 97.2 | 97.8 | 98.3 | 99.1 | 99.1 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 |
| GE 100 | 28.7 | 84.9 | 89.8 | 92.5 | 95.0 | 95.5 | 97.2 | 97.8 | 98.3 | 99.1 | 99.1 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 |
| GE 0 | 28.7 | 84.9 | 89.8 | 92.5 | 95.0 | 95.5 | 97.2 | 97.8 | 98.3 | 99.1 | 99.1 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 981

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 20.8 | 51.7 | 52.1 | 52.4 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 53.0 | 53.0 | 53.1 | 53.1 | |
| GE 20000 | 23.0 | 54.8 | 55.1 | 55.5 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.2 | 56.2 | |
| GE 18000 | 23.0 | 54.8 | 55.1 | 55.5 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.2 | 56.2 | |
| GE 16000 | 23.2 | 55.0 | 55.4 | 55.7 | 56.0 | 56.0 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.4 | 56.4 | |
| GE 14000 | 23.9 | 55.7 | 56.0 | 56.4 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.9 | 56.9 | 57.1 | 57.1 | |
| GE 12000 | 24.3 | 56.9 | 57.3 | 57.6 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.3 | 58.3 | |
| GE 10000 | 24.4 | 58.3 | 58.7 | 59.0 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.7 | 59.7 | |
| GE 9000 | 24.4 | 58.3 | 58.7 | 59.0 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.7 | 59.7 | |
| GE 8000 | 24.9 | 60.4 | 60.9 | 61.3 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 | 62.0 | 62.0 | |
| GE 7000 | 24.1 | 61.6 | 62.2 | 62.5 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.3 | 63.3 | |
| GE 6000 | 26.2 | 62.1 | 62.6 | 63.0 | 63.4 | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.7 | 63.7 | 63.8 | 63.8 | |
| GE 5000 | 26.7 | 63.2 | 63.8 | 64.1 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 65.0 | 65.0 | |
| GE 4500 | 27.1 | 64.4 | 65.0 | 65.4 | 65.9 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.3 | 66.3 | |
| GE 4000 | 27.1 | 65.4 | 66.6 | 67.0 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 | 67.9 | 67.9 | |
| GE 3500 | 27.1 | 66.5 | 67.8 | 68.1 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.9 | 68.9 | 69.0 | 69.0 | |
| GE 3000 | 27.2 | 68.8 | 70.3 | 71.0 | 71.6 | 71.6 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 | 71.9 | 72.0 | 72.0 | |
| GE 2500 | 27.8 | 73.3 | 75.2 | 75.9 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 | 77.1 | 77.1 | |
| GE 2000 | 28.1 | 77.0 | 79.0 | 79.7 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.2 | 81.2 | |
| GE 1800 | 28.1 | 77.7 | 79.7 | 80.5 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 82.0 | 82.0 | |
| GE 1600 | 28.2 | 80.3 | 82.6 | 83.9 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.4 | 85.4 | 85.5 | 85.5 | |
| GE 1400 | 28.4 | 81.5 | 84.2 | 85.9 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.4 | 87.4 | 87.5 | 87.5 | 87.6 | 87.6 | |
| GE 1000 | 28.6 | 83.1 | 86.0 | 88.0 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.5 | 89.6 | 89.6 | 89.7 | 89.7 | 89.9 | 89.9 | |
| GE 900 | 28.6 | 84.6 | 87.5 | 89.7 | 91.0 | 91.0 | 91.3 | 91.3 | 91.5 | 91.5 | 91.6 | 91.7 | 91.7 | 91.8 | 91.9 | 91.9 | |
| GE 800 | 28.6 | 85.3 | 88.2 | 90.5 | 91.8 | 91.8 | 92.3 | 92.6 | 92.6 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 93.1 | 93.1 | |
| GE 700 | 28.6 | 85.6 | 88.6 | 91.3 | 92.7 | 92.7 | 93.4 | 93.8 | 93.8 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | |
| GE 600 | 28.6 | 86.1 | 89.4 | 92.1 | 94.1 | 94.1 | 94.8 | 95.4 | 95.6 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | |
| GE 500 | 28.6 | 86.3 | 89.9 | 92.7 | 94.6 | 94.6 | 95.4 | 96.4 | 96.5 | 96.8 | 97.2 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | |
| GE 400 | 28.6 | 86.3 | 90.0 | 92.8 | 95.0 | 95.0 | 95.9 | 96.9 | 97.0 | 97.5 | 97.8 | 97.8 | 97.9 | 97.9 | 98.1 | 98.1 | |
| GE 300 | 28.6 | 86.3 | 90.0 | 92.9 | 95.3 | 95.6 | 96.6 | 97.6 | 97.8 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | |
| GE 200 | 28.6 | 86.3 | 90.1 | 92.9 | 95.3 | 95.6 | 96.6 | 97.6 | 97.8 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | |
| GE 100 | 28.6 | 86.3 | 90.0 | 92.9 | 95.3 | 95.6 | 96.6 | 97.6 | 97.8 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | |
| GE 0 | 28.6 | 86.3 | 90.0 | 92.9 | 95.3 | 95.6 | 96.6 | 97.6 | 97.8 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | |

TOTAL NUMBER OF OBSERVATIONS: 978

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(LST): 0900-1100

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GF 6 | GE 5 | GF 4 | GF 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GF 1 1/4 | GE 1 | GF 3/4 | GF 5/8 | GE 1/2 | GF 5/16 | GE 1/4 | GE U |
| 50 CEIL | 24.4 | 52.8 | 53.7 | 54.2 | 54.6 | 54.6 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| GE 2000 | 26.4 | 59.8 | 60.8 | 61.3 | 61.7 | 61.7 | 61.8 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| GE 1800 | 26.5 | 60.8 | 61.5 | 62.0 | 62.4 | 62.4 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| GE 1600 | 26.5 | 60.8 | 61.8 | 62.3 | 62.7 | 62.7 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 1400 | 26.6 | 61.5 | 62.5 | 63.0 | 63.4 | 63.4 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 1200 | 26.7 | 62.7 | 63.7 | 64.2 | 64.6 | 64.6 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 1000 | 27.7 | 64.7 | 65.9 | 66.3 | 66.7 | 66.7 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 800 | 27.7 | 64.7 | 65.9 | 66.3 | 66.7 | 66.7 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 600 | 27.5 | 67.0 | 68.4 | 68.9 | 69.3 | 69.3 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 400 | 27.5 | 68.1 | 69.5 | 70.0 | 70.4 | 70.4 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 200 | 27.6 | 69.1 | 70.5 | 71.0 | 71.4 | 71.4 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 100 | 27.7 | 70.3 | 71.7 | 72.2 | 72.6 | 72.6 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 50 | 27.7 | 71.0 | 72.0 | 73.1 | 73.5 | 73.5 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 0 | 27.7 | 71.0 | 74.7 | 75.2 | 75.6 | 75.6 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 3500 | 28.0 | 74.3 | 76.1 | 76.5 | 77.0 | 77.0 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 3000 | 28.9 | 78.1 | 80.0 | 80.4 | 80.9 | 80.9 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2500 | 28.1 | 80.8 | 82.6 | 83.1 | 83.6 | 83.6 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 2000 | 28.6 | 84.0 | 86.0 | 86.5 | 87.2 | 87.2 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1800 | 28.6 | 84.9 | 86.9 | 87.4 | 88.1 | 88.1 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 1600 | 28.8 | 87.5 | 89.7 | 90.2 | 90.9 | 90.9 | 91.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 1400 | 28.9 | 89.3 | 91.4 | 92.5 | 93.4 | 93.5 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 1200 | 31.0 | 90.7 | 92.9 | 94.0 | 95.1 | 95.3 | 96.0 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1000 | 31.0 | 91.1 | 93.4 | 94.5 | 96.0 | 96.2 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 800 | 31.0 | 91.7 | 94.1 | 95.4 | 97.1 | 97.3 | 98.0 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 600 | 31.0 | 91.9 | 94.7 | 95.8 | 97.4 | 97.7 | 98.3 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 400 | 31.0 | 91.9 | 94.8 | 95.9 | 97.6 | 97.8 | 98.4 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 50 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1600 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1400 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 31.0 | 92.5 | 94.5 | 96.0 | 97.8 | 98.0 | 98.8 | 99.2 | 99.2 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 17.8 | 45.1 | 47.2 | 44.6 | 44.8 | 49.1 | 49.9 | 49.8 | 49.8 | 49.8 | 49.8 | 49.9 | 50.0 | 50.0 | 50.1 | 50.4 |
| GE 2000 | 14.9 | 50.1 | 53.4 | 54.9 | 55.6 | 55.9 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 57.0 | 57.1 | 57.1 | 57.3 | 57.5 |
| GE 1600 | 14.9 | 50.2 | 53.5 | 55.0 | 55.7 | 56.0 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 | 57.3 | 57.4 | 57.6 |
| GE 1600 | 14.9 | 50.4 | 53.6 | 55.2 | 55.9 | 56.1 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.3 | 57.4 | 57.4 | 57.5 | 57.7 |
| GE 1400 | 19.0 | 51.2 | 54.4 | 56.0 | 56.8 | 57.0 | 58.0 | 58.1 | 58.1 | 58.1 | 59.1 | 58.2 | 58.3 | 58.3 | 58.4 | 58.7 |
| GE 1200 | 19.2 | 52.6 | 56.0 | 57.5 | 58.3 | 58.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.7 | 59.8 | 59.8 | 60.0 | 60.2 |
| GE 1000 | 19.8 | 54.2 | 58.2 | 59.7 | 60.5 | 60.8 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 62.1 | 62.1 | 62.2 | 62.4 |
| GE 900 | 19.8 | 54.7 | 58.7 | 60.2 | 61.0 | 61.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.4 | 62.5 | 62.5 | 62.6 | 62.9 |
| GE 800 | 20.1 | 56.9 | 61.4 | 63.1 | 63.9 | 64.2 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.5 | 65.5 | 65.6 | 65.8 |
| GE 700 | 20.1 | 57.8 | 62.4 | 64.2 | 65.0 | 65.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 | 66.5 | 66.5 | 66.6 | 66.9 |
| GE 600 | 20.1 | 58.8 | 63.6 | 65.6 | 66.4 | 66.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 | 67.9 | 67.9 | 68.0 | 68.3 |
| GE 500 | 20.4 | 60.4 | 65.5 | 67.6 | 68.4 | 68.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.8 | 69.9 | 69.9 | 70.0 | 70.3 |
| GE 400 | 20.5 | 61.1 | 66.3 | 68.4 | 69.2 | 69.4 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.8 | 71.0 | 71.0 | 71.1 | 71.3 |
| GE 400 | 20.5 | 63.1 | 68.3 | 70.4 | 71.2 | 71.4 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.8 | 73.0 | 73.0 | 73.1 | 73.3 |
| GE 350 | 20.7 | 63.8 | 69.0 | 71.1 | 71.9 | 72.1 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.5 | 73.7 | 73.7 | 73.8 | 74.0 |
| GE 300 | 20.7 | 65.3 | 70.8 | 73.2 | 74.0 | 74.2 | 75.4 | 75.5 | 75.6 | 75.6 | 75.6 | 75.8 | 75.9 | 75.9 | 76.0 | 76.2 |
| GE 250 | 21.4 | 68.6 | 74.2 | 76.6 | 77.4 | 77.6 | 78.8 | 78.9 | 79.0 | 79.0 | 79.0 | 79.2 | 79.3 | 79.3 | 79.4 | 79.6 |
| GE 200 | 21.5 | 69.9 | 75.8 | 78.2 | 79.0 | 79.3 | 80.4 | 80.6 | 80.7 | 80.8 | 80.8 | 80.9 | 81.0 | 81.0 | 81.1 | 81.4 |
| GE 180 | 21.7 | 70.3 | 76.3 | 78.8 | 79.7 | 80.0 | 81.1 | 81.3 | 81.4 | 81.5 | 81.5 | 81.6 | 81.7 | 81.7 | 81.9 | 82.1 |
| GE 150 | 21.8 | 72.4 | 78.6 | 81.0 | 82.0 | 82.2 | 83.4 | 83.5 | 83.6 | 83.7 | 83.7 | 83.8 | 84.0 | 84.0 | 84.1 | 84.3 |
| GE 120 | 21.8 | 74.0 | 80.7 | 83.6 | 84.7 | 84.9 | 86.2 | 86.5 | 86.7 | 86.8 | 86.8 | 86.9 | 87.0 | 87.1 | 87.2 | 87.5 |
| GE 100 | 21.8 | 75.4 | 82.3 | 85.8 | 87.1 | 87.5 | 89.0 | 89.3 | 89.5 | 89.6 | 89.6 | 89.7 | 89.8 | 89.9 | 90.0 | 90.3 |
| GE 80 | 21.8 | 76.1 | 83.1 | 86.8 | 88.1 | 88.4 | 89.9 | 90.3 | 90.4 | 90.5 | 90.5 | 90.6 | 90.7 | 90.9 | 91.0 | 91.2 |
| GE 60 | 21.8 | 76.8 | 84.0 | 87.8 | 89.6 | 90.0 | 91.8 | 92.2 | 92.3 | 92.4 | 92.4 | 92.5 | 92.6 | 92.7 | 92.9 | 93.1 |
| GE 40 | 21.8 | 77.3 | 84.4 | 88.4 | 90.4 | 91.2 | 93.0 | 93.3 | 93.4 | 93.6 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0 | 94.3 |
| GE 30 | 21.8 | 77.3 | 84.5 | 88.5 | 90.7 | 91.6 | 93.8 | 94.3 | 94.4 | 94.5 | 94.5 | 94.6 | 94.7 | 94.8 | 95.0 | 95.2 |
| GE 20 | 21.8 | 77.5 | 84.8 | 88.9 | 91.6 | 92.4 | 94.7 | 95.3 | 95.4 | 95.7 | 95.7 | 95.8 | 96.0 | 96.1 | 96.3 | 96.6 |
| GE 10 | 21.8 | 77.5 | 84.8 | 88.9 | 91.6 | 92.4 | 95.0 | 95.9 | 96.3 | 96.5 | 96.6 | 96.7 | 97.1 | 97.2 | 97.3 | 97.8 |
| GE 5 | 21.8 | 77.5 | 84.8 | 89.0 | 91.7 | 92.5 | 95.2 | 96.3 | 96.7 | 97.3 | 97.7 | 97.9 | 98.4 | 98.5 | 98.6 | 99.2 |
| GE 2 | 21.8 | 77.5 | 84.8 | 89.0 | 91.7 | 92.5 | 95.3 | 96.4 | 96.8 | 97.4 | 97.8 | 98.1 | 98.6 | 98.7 | 98.8 | 99.6 |
| GE 1 | 21.8 | 77.5 | 84.8 | 89.0 | 91.7 | 92.5 | 95.3 | 96.4 | 96.8 | 97.4 | 97.8 | 98.1 | 98.6 | 98.7 | 98.9 | 99.9 |
| GE 0 | 21.8 | 77.5 | 84.8 | 89.0 | 91.7 | 92.5 | 95.3 | 96.4 | 96.8 | 97.4 | 97.8 | 98.1 | 98.6 | 98.7 | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 954

USUAL METEOROLOGICAL ABBREVIATIONS
 STATION
 AND WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 72225 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
 MONTH: MAR HOURS(LST): 2100-2300

| CEILING IN FEET | 1 | 1 1/2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | | | | | | | | | | | | | | | | | | | | | |
| NO CELL | 22.6 | 56.7 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| GE 10000 | 24.7 | 63.0 | 63.0 | 63.2 | 63.3 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 18000 | 24.7 | 63.0 | 63.3 | 63.4 | 63.5 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 16000 | 24.7 | 63.0 | 63.3 | 63.4 | 63.5 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 14000 | 24.7 | 63.2 | 63.4 | 63.5 | 63.6 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 12000 | 24.8 | 64.5 | 64.6 | 64.9 | 65.0 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 10000 | 26.2 | 67.0 | 67.2 | 67.3 | 67.4 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 9000 | 26.2 | 67.1 | 67.3 | 67.4 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 8000 | 27.3 | 69.6 | 69.9 | 70.0 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 | 70.2 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 7000 | 27.5 | 70.0 | 70.2 | 70.3 | 70.5 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.1 | 71.1 | 71.1 |
| GE 6000 | 28.0 | 70.6 | 70.8 | 70.9 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.7 | 71.7 | 71.7 |
| GE 5000 | 29.2 | 73.7 | 74.0 | 74.2 | 74.4 | 74.4 | 74.4 | 74.6 | 74.6 | 74.6 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 |
| GE 4500 | 30.1 | 75.4 | 75.8 | 75.9 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.8 | 76.8 | 76.8 |
| GE 4000 | 30.5 | 77.1 | 77.4 | 77.5 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.4 | 78.4 | 78.4 |
| GE 3500 | 31.3 | 78.9 | 79.3 | 79.4 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.3 | 80.3 | 80.3 |
| GE 3000 | 31.6 | 82.3 | 83.1 | 83.4 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.5 | 84.5 | 84.5 |
| GE 2500 | 31.6 | 83.5 | 84.5 | 84.8 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.9 | 85.9 | 85.9 |
| GE 2000 | 31.7 | 85.5 | 86.4 | 86.8 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.9 | 87.9 | 87.9 |
| GE 1800 | 32.1 | 86.3 | 87.4 | 87.7 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.9 | 88.9 | 88.9 |
| GE 1500 | 32.1 | 87.1 | 88.4 | 88.9 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 90.4 | 90.4 | 90.4 |
| GE 1200 | 32.1 | 87.9 | 89.1 | 89.4 | 91.1 | 91.1 | 91.1 | 91.7 | 91.9 | 91.9 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.5 | 92.5 | 92.5 |
| GE 1000 | 32.3 | 88.6 | 90.2 | 90.4 | 92.5 | 92.5 | 93.0 | 93.3 | 93.3 | 93.3 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 94.1 | 94.1 | 94.1 |
| GE 900 | 32.3 | 89.6 | 91.2 | 92.0 | 93.6 | 93.6 | 94.6 | 94.9 | 95.0 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.8 | 95.8 | 95.8 |
| GE 800 | 32.3 | 90.0 | 91.7 | 92.6 | 94.6 | 94.6 | 95.6 | 96.2 | 96.3 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 |
| GE 700 | 32.3 | 90.3 | 92.2 | 93.2 | 95.4 | 95.5 | 96.6 | 97.2 | 97.7 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.5 | 98.5 | 98.5 |
| GE 600 | 32.3 | 90.3 | 92.4 | 93.3 | 95.6 | 95.8 | 97.0 | 97.7 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 99.0 | 99.0 | 99.0 |
| GE 500 | 32.3 | 90.6 | 92.8 | 93.7 | 96.2 | 96.4 | 97.6 | 98.4 | 98.8 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 |
| GE 400 | 32.3 | 90.6 | 92.8 | 93.7 | 96.2 | 96.4 | 97.7 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 |
| GE 300 | 32.3 | 90.6 | 92.8 | 93.7 | 96.2 | 96.4 | 97.7 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 |
| GE 200 | 32.3 | 90.6 | 92.8 | 93.7 | 96.2 | 96.4 | 97.7 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 |
| GE 100 | 32.3 | 90.6 | 92.8 | 93.7 | 96.2 | 96.4 | 97.7 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 |
| GE 0 | 32.3 | 90.6 | 92.8 | 93.7 | 96.2 | 96.4 | 97.7 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 462

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 21.8 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| GE 20000 | 24.8 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 18000 | 24.8 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 16000 | 24.8 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 14000 | 25.5 | 62.5 | 62.5 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| GE 12000 | 25.7 | 64.8 | 64.8 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 10000 | 27.0 | 68.4 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 9000 | 27.0 | 68.4 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 8000 | 27.7 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 7000 | 28.0 | 70.9 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 6000 | 28.7 | 71.6 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 5000 | 29.3 | 74.2 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 4500 | 29.9 | 76.6 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 4000 | 30.4 | 79.4 | 79.6 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 3500 | 30.7 | 81.0 | 81.3 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 3000 | 30.8 | 83.4 | 83.9 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 2500 | 30.8 | 85.2 | 85.7 | 86.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 2000 | 30.8 | 87.2 | 88.1 | 88.9 | 89.5 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 1800 | 30.8 | 87.8 | 88.6 | 89.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 1500 | 31.1 | 89.3 | 90.4 | 91.7 | 92.2 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 1200 | 31.2 | 89.9 | 91.2 | 92.8 | 93.8 | 93.8 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 1000 | 31.2 | 90.4 | 91.8 | 93.6 | 94.7 | 94.9 | 95.3 | 95.4 | 95.4 | 95.4 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 900 | 31.4 | 90.9 | 92.5 | 94.5 | 95.9 | 96.1 | 96.6 | 96.6 | 96.7 | 97.0 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 800 | 31.4 | 91.0 | 92.7 | 94.7 | 96.4 | 96.6 | 97.3 | 97.4 | 97.5 | 97.7 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 700 | 31.4 | 91.0 | 92.7 | 94.8 | 97.0 | 97.2 | 97.9 | 98.0 | 98.2 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 600 | 31.4 | 91.2 | 93.0 | 95.0 | 97.4 | 97.6 | 98.6 | 98.8 | 98.9 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 31.4 | 91.2 | 93.0 | 95.0 | 97.4 | 97.6 | 98.6 | 99.0 | 99.1 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 31.4 | 91.2 | 93.0 | 95.0 | 97.4 | 97.6 | 98.6 | 99.1 | 99.2 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 31.4 | 91.2 | 93.0 | 95.0 | 97.4 | 97.6 | 98.6 | 99.1 | 99.2 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 31.4 | 91.2 | 93.0 | 95.0 | 97.4 | 97.6 | 98.6 | 99.1 | 99.2 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 31.4 | 91.2 | 93.0 | 95.0 | 97.4 | 97.6 | 98.6 | 99.1 | 99.2 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 31.4 | 91.2 | 93.0 | 95.0 | 97.4 | 97.6 | 98.6 | 99.1 | 99.2 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| NO CEIL | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| GE 2000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 1400 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 1000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 800 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 600 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 400 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 300 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 200 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 100 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 0 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 2000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 1400 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 1000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 800 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 600 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 400 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 300 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 200 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 100 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 0 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 2000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 1400 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 1000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 800 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 600 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 400 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 300 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 200 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 100 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 0 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 19.1 | 45.4 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| GE 20000 | 22.3 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 18000 | 22.3 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 16000 | 22.4 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 14000 | 22.5 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 12000 | 23.3 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| GE 10000 | 23.8 | 60.9 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 9000 | 24.4 | 62.0 | 62.0 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 8000 | 25.3 | 65.6 | 65.7 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 7000 | 25.4 | 67.3 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 6000 | 25.4 | 68.0 | 68.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 5000 | 25.6 | 69.2 | 69.5 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 4500 | 25.8 | 70.4 | 70.8 | 71.1 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 4000 | 26.2 | 72.4 | 72.8 | 73.2 | 73.7 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 3500 | 26.5 | 75.1 | 75.5 | 75.9 | 76.3 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 3000 | 26.8 | 81.0 | 81.6 | 82.0 | 82.7 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 2500 | 27.3 | 85.2 | 85.9 | 86.3 | 87.1 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 2000 | 28.0 | 87.6 | 88.4 | 89.2 | 90.4 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 1800 | 28.1 | 88.3 | 89.0 | 89.9 | 91.1 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 1500 | 28.1 | 89.7 | 90.6 | 91.6 | 93.0 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 1200 | 28.1 | 90.4 | 91.4 | 92.6 | 94.2 | 94.5 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 1000 | 28.1 | 91.1 | 92.3 | 93.4 | 95.3 | 95.6 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 900 | 28.1 | 91.6 | 92.8 | 94.0 | 95.8 | 96.1 | 96.3 | 96.3 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 800 | 28.2 | 92.2 | 93.4 | 94.6 | 96.5 | 96.8 | 97.0 | 97.0 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 700 | 28.3 | 92.4 | 93.7 | 94.6 | 96.8 | 97.1 | 97.4 | 97.4 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 600 | 28.4 | 92.5 | 93.8 | 95.1 | 97.1 | 97.4 | 98.0 | 98.1 | 98.2 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 500 | 28.4 | 92.7 | 94.2 | 95.7 | 97.7 | 98.2 | 98.8 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 28.4 | 92.7 | 94.2 | 95.7 | 97.7 | 98.2 | 98.8 | 98.9 | 99.0 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 28.4 | 92.7 | 94.2 | 95.7 | 97.7 | 98.2 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 28.4 | 92.7 | 94.2 | 95.7 | 97.7 | 98.2 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 100 | 28.4 | 92.7 | 94.2 | 95.7 | 97.7 | 98.2 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 0 | 28.4 | 92.7 | 94.2 | 95.7 | 97.7 | 98.2 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(IST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 14.7 | 45.1 | 45.9 | 46.3 | 46.3 | 46.3 | 46.3 | 46.5 | 46.5 | 46.5 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| GE 20000 | 16.9 | 52.0 | 53.0 | 53.4 | 53.4 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 18000 | 16.9 | 52.2 | 53.1 | 53.5 | 53.5 | 53.5 | 53.5 | 53.7 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| GE 16000 | 17.0 | 52.3 | 53.2 | 53.7 | 53.7 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| GE 14000 | 17.0 | 52.7 | 53.7 | 54.1 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| GE 12000 | 17.3 | 54.2 | 55.2 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 10000 | 17.7 | 56.2 | 57.2 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 9000 | 18.2 | 56.7 | 57.6 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| GE 8000 | 19.5 | 59.7 | 60.8 | 61.3 | 61.3 | 61.3 | 61.3 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GE 7000 | 18.6 | 60.4 | 61.6 | 62.3 | 62.4 | 62.4 | 62.4 | 62.6 | 62.6 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 6000 | 19.0 | 61.5 | 62.7 | 63.3 | 63.4 | 63.4 | 63.4 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 5000 | 19.1 | 62.7 | 64.0 | 64.6 | 64.7 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 4500 | 19.6 | 63.9 | 65.2 | 65.8 | 65.9 | 65.9 | 65.9 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 4000 | 19.8 | 65.3 | 66.7 | 67.4 | 67.6 | 67.6 | 67.6 | 67.8 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 3500 | 19.9 | 66.8 | 68.4 | 69.4 | 69.6 | 69.6 | 69.6 | 69.8 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 3000 | 20.6 | 70.1 | 71.7 | 72.8 | 73.0 | 73.0 | 73.2 | 73.4 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 2500 | 21.2 | 72.8 | 74.7 | 76.0 | 76.2 | 76.2 | 76.5 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 2000 | 21.5 | 76.8 | 79.0 | 80.4 | 80.6 | 80.6 | 81.0 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 1800 | 21.7 | 78.1 | 80.3 | 81.7 | 82.2 | 82.2 | 82.5 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 1500 | 22.2 | 82.0 | 84.5 | 85.9 | 86.8 | 86.8 | 87.2 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 1200 | 22.4 | 84.2 | 87.1 | 88.7 | 89.8 | 89.8 | 90.2 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 1000 | 22.7 | 86.2 | 89.5 | 91.2 | 92.4 | 92.4 | 92.9 | 93.1 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 900 | 22.7 | 86.8 | 90.3 | 92.2 | 93.3 | 93.3 | 93.9 | 94.1 | 94.2 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 800 | 22.7 | 87.1 | 90.6 | 92.7 | 94.0 | 94.0 | 94.5 | 94.7 | 94.8 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 700 | 22.7 | 87.3 | 91.0 | 93.0 | 94.3 | 94.3 | 94.8 | 95.2 | 95.4 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 600 | 22.7 | 87.3 | 91.1 | 93.1 | 94.7 | 94.7 | 95.1 | 95.8 | 96.1 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 500 | 22.7 | 87.4 | 91.5 | 93.5 | 95.7 | 95.7 | 96.6 | 97.2 | 97.6 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 400 | 22.7 | 87.4 | 91.5 | 93.5 | 96.0 | 96.0 | 97.0 | 97.8 | 98.4 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 300 | 22.7 | 87.4 | 91.5 | 93.5 | 96.0 | 96.1 | 97.1 | 98.4 | 98.9 | 99.4 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 22.7 | 87.4 | 91.5 | 93.5 | 96.0 | 96.1 | 97.1 | 98.4 | 98.9 | 99.4 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 22.7 | 87.4 | 91.5 | 93.5 | 96.0 | 96.1 | 97.1 | 98.4 | 98.9 | 99.4 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 22.7 | 87.4 | 91.5 | 93.5 | 96.0 | 96.1 | 97.1 | 98.4 | 98.9 | 99.4 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAR HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|-----------|---------|--|
| | GE 10 | GE 6 | GE 4 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 1/8 | GE 0 | |
| NO CEIL | 9.2 | 36.5 | 38.8 | 40.4 | 41.9 | 42.2 | 42.6 | 42.8 | 42.8 | 42.9 | 42.9 | 42.9 | 43.3 | 43.3 | 43.3 | 43.4 | | |
| GE 20000 | 9.3 | 42.1 | 45.2 | 47.4 | 48.9 | 49.4 | 49.7 | 49.9 | 49.9 | 50.1 | 50.1 | 50.1 | 50.4 | 50.4 | 50.4 | 50.5 | | |
| GE 18000 | 9.4 | 42.3 | 45.5 | 47.6 | 49.1 | 49.6 | 49.9 | 50.2 | 50.2 | 50.3 | 50.3 | 50.3 | 50.6 | 50.6 | 50.6 | 50.7 | | |
| GE 16000 | 9.4 | 42.5 | 45.6 | 47.8 | 49.3 | 49.7 | 50.1 | 50.3 | 50.3 | 50.4 | 50.4 | 50.4 | 50.7 | 50.7 | 50.7 | 50.9 | | |
| GE 14000 | 9.8 | 43.0 | 46.3 | 48.4 | 49.9 | 50.4 | 50.7 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.4 | 51.4 | 51.4 | 51.6 | | |
| GE 12000 | 9.9 | 44.1 | 47.3 | 49.6 | 51.1 | 51.6 | 51.9 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 | 52.6 | 52.6 | 52.6 | 52.7 | | |
| GE 10000 | 10.7 | 47.0 | 50.3 | 52.7 | 54.2 | 54.7 | 55.0 | 55.2 | 55.2 | 55.4 | 55.4 | 55.4 | 55.7 | 55.7 | 55.7 | 55.8 | | |
| GE 9000 | 10.7 | 47.3 | 50.9 | 53.3 | 54.8 | 55.2 | 55.6 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 56.3 | 56.3 | 56.3 | 56.4 | | |
| GE 8000 | 11.2 | 50.4 | 54.0 | 56.4 | 57.9 | 58.3 | 58.7 | 58.9 | 58.9 | 59.0 | 59.0 | 59.0 | 59.4 | 59.4 | 59.4 | 59.5 | | |
| GE 7000 | 11.3 | 51.6 | 55.4 | 57.8 | 59.3 | 59.7 | 60.1 | 60.3 | 60.3 | 60.4 | 60.4 | 60.4 | 60.8 | 60.8 | 60.8 | 60.9 | | |
| GE 6000 | 11.4 | 52.1 | 55.9 | 58.3 | 60.0 | 60.4 | 60.8 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.4 | 61.4 | 61.4 | 61.6 | | |
| GE 5000 | 11.6 | 54.2 | 58.2 | 60.8 | 62.4 | 62.8 | 63.2 | 63.4 | 63.4 | 63.5 | 63.5 | 63.5 | 63.9 | 63.9 | 63.9 | 64.0 | | |
| GE 4500 | 12.0 | 55.6 | 59.6 | 62.1 | 63.9 | 64.3 | 64.7 | 64.9 | 64.9 | 65.0 | 65.0 | 65.0 | 65.4 | 65.4 | 65.4 | 65.5 | | |
| GE 4000 | 12.0 | 56.8 | 61.1 | 63.8 | 65.5 | 66.1 | 66.5 | 66.7 | 66.7 | 66.9 | 66.9 | 66.9 | 67.2 | 67.2 | 67.2 | 67.3 | | |
| GE 3500 | 12.1 | 58.0 | 62.4 | 65.2 | 67.2 | 67.8 | 68.2 | 68.5 | 68.5 | 68.6 | 68.6 | 68.6 | 68.9 | 68.9 | 68.9 | 69.0 | | |
| GE 3000 | 12.4 | 59.5 | 64.1 | 67.0 | 69.0 | 69.6 | 70.1 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.8 | 70.8 | 70.8 | 70.9 | | |
| GE 2500 | 12.7 | 62.8 | 67.5 | 70.5 | 72.6 | 73.2 | 73.8 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.5 | 74.5 | 74.5 | 74.6 | | |
| GE 2000 | 12.9 | 64.4 | 69.4 | 72.4 | 74.5 | 75.0 | 75.6 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 76.3 | 76.3 | 76.3 | 76.4 | | |
| GE 1800 | 13.2 | 65.8 | 71.0 | 74.0 | 76.4 | 77.0 | 77.6 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 78.3 | 78.3 | 78.3 | 78.4 | | |
| GE 1500 | 13.7 | 70.1 | 75.7 | 79.2 | 82.5 | 83.1 | 83.9 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.2 | | |
| GE 1200 | 13.8 | 72.0 | 77.9 | 81.8 | 85.2 | 85.7 | 86.7 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.8 | 87.8 | 87.8 | 87.9 | | |
| GE 1000 | 13.8 | 73.4 | 79.4 | 83.4 | 86.9 | 87.5 | 88.6 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.8 | 89.8 | 89.8 | 89.9 | | |
| GE 900 | 13.8 | 73.8 | 80.2 | 84.5 | 87.9 | 88.5 | 89.6 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.8 | 90.8 | 90.8 | 90.9 | | |
| GE 800 | 13.8 | 73.9 | 80.4 | 84.8 | 88.5 | 89.1 | 90.2 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 91.4 | 91.4 | 91.4 | 91.6 | | |
| GE 700 | 13.8 | 74.2 | 81.0 | 85.4 | 89.3 | 89.9 | 91.0 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 92.2 | 92.2 | 92.2 | 92.4 | | |
| GE 600 | 13.9 | 75.0 | 82.3 | 87.0 | 91.5 | 92.2 | 93.4 | 94.1 | 94.1 | 94.2 | 94.4 | 94.4 | 94.8 | 94.9 | 94.9 | 95.1 | | |
| GE 500 | 14.0 | 75.5 | 83.0 | 87.7 | 92.2 | 92.9 | 94.1 | 94.8 | 94.8 | 94.9 | 95.1 | 95.1 | 95.5 | 95.6 | 95.6 | 95.7 | | |
| GE 400 | 14.0 | 75.8 | 83.3 | 88.0 | 92.6 | 93.3 | 95.2 | 96.0 | 96.0 | 96.2 | 96.3 | 96.3 | 96.9 | 97.1 | 97.1 | 97.2 | | |
| GE 300 | 14.0 | 75.8 | 83.3 | 88.0 | 92.9 | 93.6 | 95.5 | 96.3 | 96.3 | 96.5 | 96.8 | 96.8 | 97.5 | 97.8 | 97.8 | 98.3 | | |
| GE 200 | 14.0 | 75.8 | 83.3 | 88.0 | 92.9 | 93.6 | 95.5 | 96.3 | 96.3 | 96.5 | 96.8 | 96.9 | 97.7 | 98.2 | 98.2 | 99.1 | | |
| GE 100 | 14.0 | 75.8 | 83.3 | 88.0 | 92.9 | 93.6 | 95.5 | 96.3 | 96.3 | 96.5 | 96.8 | 96.9 | 97.7 | 98.2 | 98.2 | 99.5 | | |
| GE 01 | 14.0 | 75.8 | 83.3 | 88.0 | 92.9 | 93.6 | 95.5 | 96.3 | 96.3 | 96.5 | 96.8 | 96.9 | 97.7 | 98.2 | 98.2 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 869

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GF 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 25.0 | 56.3 | 57.0 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| GE 20000 | 25.7 | 61.0 | 61.9 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| GE 18000 | 25.7 | 61.0 | 61.9 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| GE 16000 | 25.7 | 61.0 | 61.9 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| GE 14000 | 25.7 | 61.1 | 62.0 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 12000 | 26.1 | 62.6 | 63.4 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 10000 | 26.1 | 63.8 | 64.7 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 9000 | 26.1 | 63.8 | 64.7 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 8000 | 26.1 | 65.2 | 66.2 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 7000 | 26.1 | 66.3 | 67.5 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 6000 | 26.1 | 67.0 | 68.2 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 5000 | 26.5 | 68.5 | 69.7 | 70.9 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 4500 | 26.7 | 70.6 | 71.8 | 72.9 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 4000 | 26.7 | 71.9 | 73.1 | 74.5 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 3500 | 27.7 | 73.9 | 75.4 | 77.1 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 3000 | 29.4 | 77.4 | 79.3 | 81.3 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 2500 | 29.0 | 78.9 | 81.2 | 83.2 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 2000 | 29.1 | 80.5 | 82.7 | 85.0 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 1800 | 29.1 | 81.3 | 83.6 | 85.8 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 1500 | 29.1 | 82.2 | 84.5 | 87.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 1200 | 29.1 | 83.6 | 85.9 | 88.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 1000 | 29.1 | 84.1 | 86.5 | 89.6 | 92.1 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 900 | 29.1 | 84.9 | 87.2 | 90.3 | 93.3 | 93.3 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 800 | 29.1 | 85.3 | 87.7 | 91.1 | 94.0 | 94.2 | 94.3 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 700 | 29.1 | 86.4 | 88.8 | 92.5 | 95.5 | 95.9 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 600 | 29.1 | 86.4 | 88.8 | 92.5 | 95.5 | 95.9 | 96.2 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 500 | 29.1 | 86.4 | 88.8 | 92.5 | 95.9 | 96.8 | 97.0 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 400 | 29.1 | 86.4 | 88.8 | 92.5 | 95.9 | 96.9 | 97.6 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 300 | 29.1 | 86.4 | 88.9 | 92.6 | 96.2 | 97.3 | 98.0 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 200 | 29.1 | 86.4 | 88.9 | 92.6 | 96.2 | 97.3 | 98.1 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.5 |
| GE 100 | 29.1 | 86.4 | 88.9 | 92.6 | 96.2 | 97.3 | 98.1 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.5 |
| GE 0 | 29.1 | 86.4 | 88.9 | 92.6 | 96.2 | 97.3 | 98.1 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 839

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| | GE 10 | GF 6 | GF 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GF 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 25.4 | 56.2 | 57.0 | 57.4 | 57.4 | 57.5 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| GE 20000 | 26.4 | 61.1 | 61.9 | 62.3 | 62.3 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| GE 18000 | 26.4 | 61.3 | 62.1 | 62.5 | 62.5 | 62.6 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 16000 | 26.4 | 61.4 | 62.3 | 62.6 | 62.6 | 62.7 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| GE 14000 | 26.4 | 61.4 | 62.3 | 62.6 | 62.6 | 62.7 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| GE 12000 | 26.8 | 63.1 | 63.9 | 64.3 | 64.3 | 64.4 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| GE 10000 | 26.8 | 64.5 | 65.4 | 65.8 | 65.8 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| GE 9000 | 26.8 | 64.6 | 65.5 | 66.0 | 66.0 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 8000 | 26.8 | 67.7 | 68.6 | 69.0 | 69.0 | 69.2 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 7000 | 26.8 | 68.3 | 69.2 | 69.6 | 69.6 | 69.8 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 6000 | 26.8 | 68.7 | 69.5 | 70.1 | 70.1 | 70.2 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 5000 | 27.9 | 70.7 | 71.8 | 72.4 | 72.4 | 72.5 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 4500 | 28.5 | 72.5 | 73.8 | 74.5 | 74.5 | 74.6 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 4000 | 28.5 | 73.5 | 75.1 | 75.8 | 76.0 | 76.1 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 3500 | 28.7 | 75.2 | 77.3 | 78.2 | 78.5 | 78.6 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 3000 | 28.7 | 77.3 | 79.6 | 80.7 | 81.1 | 81.2 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GF 2500 | 29.4 | 81.4 | 84.3 | 85.5 | 86.3 | 86.4 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GF 2000 | 29.5 | 82.6 | 85.5 | 87.1 | 88.0 | 88.1 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GF 1800 | 29.5 | 82.9 | 85.7 | 87.4 | 88.2 | 88.3 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GF 1500 | 29.5 | 84.3 | 87.3 | 88.9 | 89.8 | 89.9 | 90.1 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GF 1200 | 29.5 | 85.0 | 88.1 | 89.9 | 90.8 | 91.0 | 91.2 | 91.3 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GF 1000 | 29.5 | 85.8 | 89.2 | 91.3 | 92.4 | 92.5 | 92.7 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GF 900 | 29.5 | 86.8 | 90.1 | 92.5 | 93.8 | 93.9 | 94.2 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GF 800 | 29.5 | 87.0 | 90.5 | 93.0 | 94.5 | 94.8 | 95.0 | 95.4 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GF 700 | 29.5 | 87.3 | 91.0 | 93.6 | 95.2 | 95.5 | 95.8 | 96.4 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GF 600 | 29.5 | 87.4 | 91.3 | 93.9 | 95.6 | 95.8 | 96.2 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GF 500 | 29.5 | 87.4 | 91.4 | 94.0 | 95.7 | 96.0 | 96.7 | 97.1 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GF 400 | 29.5 | 87.7 | 91.8 | 94.4 | 96.4 | 96.7 | 97.4 | 98.6 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GF 300 | 29.5 | 87.7 | 91.8 | 94.4 | 96.4 | 96.9 | 97.6 | 98.9 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GF 200 | 29.5 | 87.7 | 91.8 | 94.4 | 96.4 | 96.9 | 97.6 | 98.9 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 100 | 29.5 | 87.7 | 91.8 | 94.4 | 96.4 | 96.9 | 97.6 | 98.9 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 0 | 29.5 | 87.7 | 91.8 | 94.4 | 96.4 | 96.9 | 97.6 | 98.9 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 840

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|-------|--------|--------|--------|---------|--------|-------|--|
| IN FLEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 27.3 | 53.1 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | |
| GE 20000 | 29.3 | 60.6 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | |
| GE 18000 | 29.8 | 61.0 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | |
| GE 16000 | 28.8 | 61.3 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | |
| GE 14000 | 28.8 | 62.0 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | |
| GE 12000 | 29.3 | 63.8 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | |
| GE 10000 | 29.9 | 65.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | |
| GE 9000 | 29.9 | 66.0 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | |
| GE 8000 | 30.3 | 68.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | |
| GE 7000 | 30.3 | 69.4 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | |
| GE 6000 | 30.7 | 70.6 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | |
| GE 5000 | 31.2 | 71.9 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | |
| GE 4500 | 31.8 | 72.6 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | |
| GE 4000 | 32.1 | 74.4 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | |
| GE 3500 | 32.6 | 76.2 | 78.2 | 78.5 | 78.6 | 78.6 | 78.6 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | |
| GE 3000 | 33.3 | 78.6 | 80.8 | 81.2 | 81.3 | 81.3 | 81.3 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | |
| GE 2500 | 33.9 | 81.8 | 83.9 | 84.7 | 85.0 | 85.0 | 85.0 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | |
| GE 2000 | 34.5 | 83.0 | 85.2 | 86.0 | 86.5 | 86.5 | 86.5 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | |
| GE 1800 | 34.6 | 83.6 | 85.8 | 86.5 | 87.4 | 87.4 | 87.5 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | |
| GE 1500 | 34.7 | 85.0 | 87.5 | 88.2 | 89.4 | 89.4 | 89.6 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | |
| GE 1200 | 34.7 | 87.0 | 89.5 | 90.6 | 91.7 | 92.0 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | |
| GE 1000 | 34.7 | 87.8 | 90.7 | 92.2 | 93.4 | 93.7 | 94.0 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | |
| GE 900 | 34.7 | 88.2 | 91.3 | 92.9 | 94.3 | 95.0 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | |
| GE 800 | 34.7 | 88.4 | 91.6 | 93.4 | 95.0 | 95.7 | 96.1 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | |
| GE 700 | 34.7 | 88.7 | 91.9 | 93.6 | 95.3 | 96.0 | 96.3 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | |
| GE 600 | 34.7 | 88.9 | 92.3 | 94.1 | 95.7 | 96.5 | 96.8 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | |
| GE 500 | 34.7 | 89.1 | 92.8 | 94.6 | 96.3 | 97.0 | 97.4 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | |
| GE 400 | 34.7 | 89.3 | 92.9 | 94.8 | 96.9 | 97.6 | 98.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 300 | 34.7 | 89.3 | 92.9 | 94.8 | 97.2 | 97.9 | 98.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 34.7 | 89.3 | 92.9 | 94.8 | 97.2 | 97.9 | 98.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 34.7 | 89.3 | 92.9 | 94.8 | 97.2 | 97.9 | 98.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 34.7 | 89.3 | 92.9 | 94.8 | 97.2 | 97.9 | 98.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 847

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 27.1 | 49.1 | 49.4 | 49.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| GE 20000 | 21.6 | 56.3 | 56.7 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 18000 | 21.7 | 57.2 | 57.6 | 57.8 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| GE 16000 | 21.7 | 57.5 | 57.8 | 58.1 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 14000 | 22.0 | 58.2 | 58.5 | 58.8 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 12000 | 22.1 | 58.8 | 59.1 | 59.4 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 10000 | 22.7 | 62.0 | 62.3 | 62.5 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 9000 | 22.7 | 63.0 | 63.4 | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 8000 | 23.1 | 65.5 | 66.0 | 66.2 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 7000 | 23.3 | 66.2 | 66.8 | 67.1 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 6000 | 23.8 | 66.9 | 67.5 | 67.8 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 5000 | 23.9 | 67.8 | 68.4 | 68.9 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 4500 | 24.0 | 68.6 | 69.1 | 69.6 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 4000 | 24.6 | 70.3 | 71.0 | 71.7 | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 3500 | 25.7 | 72.2 | 72.9 | 73.6 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 3000 | 26.4 | 74.9 | 75.6 | 76.4 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 2500 | 27.0 | 78.7 | 79.4 | 80.2 | 81.0 | 81.0 | 81.2 | 81.2 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 2000 | 27.2 | 80.7 | 81.6 | 82.6 | 83.4 | 83.5 | 83.6 | 83.6 | 83.6 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 1800 | 27.2 | 81.6 | 82.6 | 83.5 | 84.5 | 84.8 | 84.9 | 84.9 | 84.9 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 1500 | 27.2 | 83.6 | 84.7 | 85.9 | 86.9 | 87.2 | 87.5 | 87.5 | 87.5 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 1200 | 27.2 | 85.3 | 86.7 | 88.2 | 89.2 | 89.5 | 90.0 | 90.0 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 1000 | 27.2 | 86.2 | 87.9 | 89.4 | 90.7 | 91.3 | 91.9 | 92.2 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 900 | 27.2 | 86.7 | 88.8 | 90.7 | 92.2 | 92.8 | 93.6 | 94.1 | 94.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 800 | 27.2 | 86.9 | 89.4 | 91.5 | 93.3 | 94.1 | 94.9 | 95.4 | 95.5 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 700 | 27.2 | 87.0 | 89.6 | 91.8 | 93.6 | 94.5 | 95.4 | 95.9 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 600 | 27.2 | 87.5 | 90.3 | 92.7 | 94.7 | 95.5 | 96.6 | 97.4 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 500 | 27.2 | 87.6 | 90.7 | 93.2 | 95.8 | 96.6 | 98.0 | 98.8 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 27.2 | 87.6 | 90.7 | 93.2 | 96.0 | 96.8 | 98.2 | 99.1 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 27.2 | 87.6 | 90.7 | 93.2 | 96.0 | 96.8 | 98.4 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 27.2 | 87.6 | 90.7 | 93.2 | 96.0 | 96.8 | 98.4 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 27.2 | 87.6 | 90.7 | 93.2 | 96.0 | 96.8 | 98.4 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 27.2 | 87.6 | 90.7 | 93.2 | 96.0 | 96.8 | 98.4 | 99.2 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GF 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 13.9 | 44.4 | 45.9 | 46.4 | 46.5 | 46.8 | 47.1 | 47.2 | 47.3 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| GE 20000 | 15.0 | 51.7 | 53.5 | 54.1 | 54.2 | 54.4 | 54.8 | 54.9 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| GE 18000 | 15.2 | 52.2 | 53.9 | 54.5 | 54.7 | 54.9 | 55.2 | 55.4 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 16000 | 15.2 | 52.2 | 53.9 | 54.5 | 54.7 | 54.9 | 55.2 | 55.4 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 14000 | 15.2 | 52.5 | 54.3 | 54.9 | 55.0 | 55.2 | 55.6 | 55.7 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| GE 12000 | 15.2 | 53.4 | 55.1 | 55.7 | 55.8 | 56.1 | 56.4 | 56.5 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| GE 10000 | 15.9 | 54.8 | 56.5 | 57.1 | 57.2 | 57.5 | 57.8 | 58.0 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 9000 | 15.9 | 55.4 | 57.1 | 57.7 | 57.8 | 58.1 | 58.4 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 8000 | 16.5 | 57.4 | 59.1 | 59.7 | 59.8 | 60.1 | 60.4 | 60.5 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 7000 | 16.8 | 58.4 | 60.2 | 60.8 | 60.9 | 61.1 | 61.5 | 61.6 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 6000 | 16.8 | 58.9 | 60.7 | 61.2 | 61.4 | 61.6 | 62.0 | 62.1 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 5000 | 17.2 | 60.9 | 62.7 | 63.4 | 63.5 | 63.7 | 64.1 | 64.2 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 4500 | 17.3 | 61.7 | 63.6 | 64.3 | 64.4 | 64.7 | 65.0 | 65.1 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 4000 | 17.4 | 63.5 | 65.5 | 66.2 | 66.3 | 66.5 | 66.9 | 67.0 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 3500 | 17.4 | 64.2 | 66.2 | 67.0 | 67.1 | 67.5 | 67.8 | 68.0 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GF 3000 | 18.3 | 66.5 | 68.6 | 69.5 | 69.6 | 70.0 | 70.3 | 70.4 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 2500 | 18.5 | 69.0 | 71.1 | 72.2 | 72.8 | 73.4 | 74.0 | 74.1 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 2000 | 18.6 | 71.1 | 73.5 | 74.6 | 75.1 | 75.7 | 76.3 | 76.4 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 1800 | 18.6 | 72.4 | 74.8 | 75.9 | 76.6 | 77.1 | 77.7 | 77.9 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 1500 | 19.1 | 76.0 | 79.8 | 80.6 | 81.6 | 82.2 | 82.9 | 83.0 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 1200 | 19.1 | 78.0 | 81.3 | 83.5 | 84.8 | 85.5 | 86.2 | 86.3 | 86.5 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 1000 | 19.1 | 79.0 | 82.6 | 85.3 | 87.0 | 87.8 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 900 | 19.1 | 79.7 | 83.6 | 86.3 | 88.2 | 88.9 | 89.9 | 90.0 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 800 | 19.1 | 80.3 | 85.0 | 88.0 | 90.1 | 90.8 | 91.9 | 92.0 | 92.1 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 700 | 19.1 | 80.3 | 85.3 | 88.8 | 90.9 | 91.8 | 92.8 | 93.4 | 93.5 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 600 | 19.1 | 80.8 | 85.9 | 89.6 | 92.2 | 93.1 | 94.5 | 95.4 | 95.6 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 500 | 19.1 | 81.0 | 86.1 | 89.9 | 92.6 | 93.4 | 95.5 | 96.7 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 400 | 19.1 | 81.0 | 86.2 | 90.0 | 92.7 | 93.6 | 96.1 | 97.3 | 97.5 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 300 | 19.1 | 81.0 | 86.2 | 90.1 | 92.8 | 93.8 | 96.5 | 97.9 | 98.2 | 98.7 | 98.9 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 200 | 19.1 | 81.0 | 86.2 | 90.1 | 92.8 | 93.8 | 96.5 | 97.9 | 98.2 | 98.7 | 99.1 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 |
| GE 100 | 19.1 | 81.0 | 86.2 | 90.1 | 92.8 | 93.8 | 96.5 | 97.9 | 98.2 | 98.7 | 99.1 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 |
| GE 0 | 19.1 | 81.0 | 86.2 | 90.1 | 92.8 | 93.8 | 96.5 | 97.9 | 98.2 | 98.7 | 99.1 | 99.2 | 99.6 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 10.5 | 38.8 | 42.2 | 44.1 | 45.5 | 45.8 | 46.4 | 46.7 | 46.7 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 47.1 |
| GE 20000 | 10.7 | 43.3 | 46.9 | 49.0 | 50.6 | 51.0 | 51.8 | 52.0 | 52.0 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 | 52.4 |
| GE 18000 | 10.7 | 43.4 | 47.1 | 49.2 | 50.7 | 51.1 | 51.9 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 |
| GE 16000 | 10.7 | 43.4 | 47.1 | 49.2 | 50.7 | 51.1 | 51.9 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 |
| GE 14000 | 11.0 | 43.8 | 47.7 | 49.8 | 51.4 | 51.8 | 52.5 | 52.8 | 52.8 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.2 |
| GE 12000 | 11.1 | 44.1 | 48.0 | 50.1 | 51.6 | 52.0 | 52.8 | 53.1 | 53.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.5 |
| GE 10000 | 11.4 | 45.1 | 49.0 | 51.1 | 52.7 | 53.1 | 53.9 | 54.1 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.5 |
| GE 9000 | 11.4 | 45.1 | 49.0 | 51.1 | 52.7 | 53.1 | 53.9 | 54.1 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.5 |
| GE 8000 | 11.9 | 47.5 | 51.5 | 53.6 | 55.2 | 55.6 | 56.3 | 56.6 | 56.6 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 57.0 |
| GE 7000 | 12.2 | 48.8 | 52.8 | 54.9 | 56.5 | 57.0 | 57.8 | 58.0 | 58.0 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.4 |
| GE 6000 | 12.3 | 49.8 | 53.9 | 55.9 | 57.5 | 58.0 | 58.8 | 59.1 | 59.1 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.5 |
| GE 5000 | 12.7 | 52.5 | 57.1 | 59.2 | 60.8 | 61.3 | 62.2 | 62.5 | 62.5 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.9 |
| GE 4500 | 12.7 | 53.3 | 57.9 | 60.0 | 61.6 | 62.1 | 63.0 | 63.3 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.7 |
| GE 4000 | 13.1 | 54.9 | 59.7 | 61.8 | 63.7 | 64.2 | 65.1 | 65.6 | 65.6 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 |
| GE 3500 | 13.2 | 55.6 | 60.5 | 62.6 | 64.8 | 65.4 | 66.3 | 66.8 | 66.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.2 |
| GE 3000 | 13.3 | 57.5 | 62.5 | 64.8 | 67.2 | 67.7 | 68.6 | 69.2 | 69.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.5 |
| GE 2500 | 13.9 | 60.1 | 65.8 | 68.2 | 70.6 | 71.2 | 72.2 | 72.7 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.1 |
| GE 2000 | 14.1 | 62.9 | 68.8 | 71.4 | 73.7 | 74.4 | 75.4 | 75.9 | 75.9 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 |
| GE 1800 | 14.1 | 63.7 | 69.5 | 72.4 | 75.0 | 75.7 | 76.7 | 77.3 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.6 |
| GE 1500 | 14.1 | 65.6 | 72.2 | 75.3 | 78.3 | 79.0 | 80.4 | 80.9 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 |
| GE 1200 | 14.1 | 66.4 | 73.5 | 76.7 | 79.9 | 80.5 | 82.1 | 82.7 | 82.7 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 |
| GE 1000 | 14.2 | 68.2 | 75.6 | 78.8 | 82.1 | 82.9 | 84.6 | 85.4 | 85.4 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 |
| GE 900 | 14.2 | 69.0 | 76.5 | 79.7 | 83.5 | 84.3 | 86.1 | 86.9 | 86.9 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.5 |
| GE 800 | 14.2 | 69.7 | 77.5 | 80.8 | 85.0 | 85.8 | 87.8 | 88.9 | 88.9 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 |
| GE 700 | 14.2 | 69.8 | 77.8 | 81.2 | 85.4 | 86.3 | 88.4 | 89.5 | 89.5 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.1 |
| GE 600 | 14.2 | 70.1 | 78.2 | 81.8 | 86.7 | 87.6 | 90.5 | 91.9 | 92.2 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 |
| GE 500 | 14.2 | 70.7 | 79.0 | 82.9 | 87.8 | 88.8 | 91.6 | 93.6 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.9 |
| GE 400 | 14.2 | 70.8 | 79.1 | 83.0 | 88.2 | 89.2 | 92.2 | 94.8 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 96.1 |
| GE 300 | 14.2 | 70.8 | 79.2 | 83.1 | 89.0 | 89.9 | 93.3 | 96.2 | 96.6 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 | 97.9 |
| GE 200 | 14.2 | 70.8 | 79.2 | 83.1 | 89.0 | 89.9 | 93.5 | 96.5 | 96.9 | 97.8 | 98.2 | 98.2 | 98.2 | 98.4 | 98.7 | 99.2 |
| GE 100 | 14.2 | 70.8 | 79.2 | 83.1 | 89.0 | 89.9 | 93.5 | 96.5 | 96.9 | 97.8 | 98.2 | 98.2 | 98.4 | 98.7 | 99.3 | 99.6 |
| GE 0 | 14.2 | 70.8 | 79.2 | 83.1 | 89.0 | 89.9 | 93.5 | 96.5 | 96.9 | 97.8 | 98.2 | 98.2 | 98.4 | 98.7 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 765

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 26.6 | 53.7 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| GE 20000 | 30.0 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 18000 | 30.3 | 64.4 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 16000 | 30.3 | 64.4 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 14000 | 30.3 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 12000 | 30.6 | 66.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 10000 | 31.4 | 69.9 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 9000 | 31.4 | 69.9 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 8000 | 31.4 | 72.4 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 7000 | 31.7 | 72.9 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 6000 | 32.1 | 73.8 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 5000 | 32.8 | 75.7 | 76.7 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 4500 | 32.9 | 76.4 | 77.6 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 4000 | 33.0 | 78.8 | 80.1 | 80.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 3500 | 33.3 | 83.1 | 84.4 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 3000 | 34.3 | 86.7 | 88.0 | 88.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 2500 | 34.3 | 88.1 | 89.7 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 2000 | 34.3 | 90.1 | 91.9 | 92.4 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 1800 | 34.3 | 90.7 | 92.7 | 93.2 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 1600 | 34.6 | 92.0 | 94.0 | 94.9 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 1200 | 34.7 | 93.4 | 95.4 | 96.6 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1000 | 34.7 | 93.9 | 96.0 | 97.1 | 97.9 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 900 | 34.7 | 93.9 | 96.0 | 97.2 | 98.2 | 98.2 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 800 | 34.7 | 94.1 | 96.3 | 97.6 | 98.6 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 700 | 34.7 | 94.1 | 96.4 | 97.8 | 98.8 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 600 | 34.7 | 94.2 | 96.7 | 98.1 | 99.1 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 34.7 | 94.2 | 96.7 | 98.1 | 99.1 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 34.7 | 94.2 | 96.7 | 98.1 | 99.1 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 34.7 | 94.2 | 96.7 | 98.1 | 99.1 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 34.7 | 94.2 | 96.7 | 98.1 | 99.1 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 34.7 | 94.2 | 96.7 | 98.1 | 99.1 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 34.7 | 94.2 | 96.7 | 98.1 | 99.1 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 29.7 | 53.4 | 53.7 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | | |
| GE 20000 | 32.7 | 65.9 | 66.2 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | | |
| GE 18000 | 33.2 | 67.3 | 67.7 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | | |
| GE 16000 | 33.2 | 67.3 | 67.7 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | | |
| GE 14000 | 33.3 | 67.9 | 68.2 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | | |
| GE 12000 | 33.8 | 69.7 | 70.0 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | | |
| GE 10000 | 35.2 | 74.9 | 75.2 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | | |
| GE 9000 | 35.7 | 75.9 | 76.2 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | | |
| GE 8000 | 35.8 | 78.9 | 79.3 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | | |
| GE 7000 | 35.9 | 79.3 | 80.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | | |
| GE 6000 | 36.1 | 80.2 | 81.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | | |
| GE 5000 | 36.1 | 81.6 | 82.4 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | | |
| GE 4500 | 36.6 | 82.7 | 83.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | | |
| GE 4000 | 37.1 | 85.7 | 86.6 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | | |
| GE 3500 | 37.2 | 88.2 | 89.2 | 90.4 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | | |
| GE 3000 | 37.6 | 90.2 | 91.2 | 92.4 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | | |
| GE 2500 | 37.8 | 91.3 | 92.4 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | | |
| GE 2000 | 38.0 | 93.1 | 94.2 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | | |
| GE 1800 | 38.0 | 93.6 | 94.7 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | | |
| GE 1500 | 38.0 | 94.3 | 95.4 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | | |
| GE 1200 | 38.3 | 95.3 | 96.4 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | | |
| GE 1000 | 38.3 | 95.6 | 96.8 | 98.3 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | | |
| GE 900 | 38.3 | 95.7 | 96.9 | 98.4 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | | |
| GE 800 | 38.3 | 95.8 | 97.0 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | | |
| GE 700 | 38.3 | 95.9 | 97.1 | 98.7 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |
| GE 600 | 38.3 | 95.9 | 97.2 | 98.8 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 500 | 38.3 | 95.9 | 97.2 | 98.8 | 99.1 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | | |
| GE 400 | 38.3 | 95.9 | 97.2 | 98.8 | 99.1 | 99.1 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 300 | 38.3 | 95.9 | 97.2 | 98.8 | 99.1 | 99.1 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 200 | 38.3 | 95.9 | 97.2 | 98.8 | 99.1 | 99.1 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 100 | 38.3 | 95.9 | 97.2 | 98.8 | 99.1 | 99.1 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |
| GE 0 | 38.3 | 95.9 | 97.2 | 98.8 | 99.1 | 99.1 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: APR HOURS (LST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 29.3 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| GE 20000 | 31.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 18000 | 31.4 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 16000 | 31.4 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 14000 | 32.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 12000 | 32.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 10000 | 33.7 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 9000 | 33.7 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 8000 | 34.2 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 7000 | 34.2 | 80.0 | 80.2 | 80.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 6000 | 34.3 | 80.8 | 81.0 | 81.0 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 5000 | 34.7 | 82.3 | 82.5 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 4500 | 34.8 | 83.4 | 83.7 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 4000 | 35.3 | 87.1 | 87.3 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 3500 | 35.4 | 89.3 | 89.6 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 3000 | 35.5 | 91.0 | 91.3 | 91.8 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 2500 | 35.5 | 92.4 | 93.2 | 93.8 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 2000 | 35.5 | 93.6 | 94.6 | 95.1 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1800 | 35.5 | 93.9 | 94.8 | 95.3 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 1500 | 35.5 | 95.2 | 96.5 | 97.2 | 97.4 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1200 | 35.6 | 95.7 | 96.9 | 97.6 | 97.8 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1000 | 35.6 | 95.9 | 97.2 | 98.0 | 98.2 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 900 | 35.6 | 95.9 | 97.3 | 98.1 | 98.3 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 800 | 35.6 | 96.3 | 97.6 | 98.4 | 98.6 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 700 | 35.6 | 96.4 | 97.7 | 98.5 | 98.9 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 35.6 | 96.6 | 98.0 | 98.8 | 99.0 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 35.6 | 96.7 | 98.1 | 99.2 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 35.6 | 96.7 | 98.1 | 99.2 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 35.6 | 96.7 | 98.1 | 99.2 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 35.6 | 96.7 | 98.1 | 99.2 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 35.6 | 96.7 | 98.1 | 99.2 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 35.6 | 96.7 | 98.1 | 99.2 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 981

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: APR HOURS(IST): 2100-2300

| CEILING IN FEET | 1 | 5L 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|---|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 1 | 31.0 | 62.6 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 20000 | 1 | 31.9 | 67.2 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 18000 | 1 | 31.9 | 67.2 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 16000 | 1 | 31.9 | 67.2 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 14000 | 1 | 27.0 | 67.4 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 12000 | 1 | 32.0 | 68.3 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 10000 | 1 | 32.3 | 72.0 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 9000 | 1 | 32.3 | 72.4 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 8000 | 1 | 32.6 | 75.5 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| GE 7000 | 1 | 32.8 | 76.4 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 6000 | 1 | 33.0 | 77.2 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 5000 | 1 | 33.4 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 4500 | 1 | 33.9 | 81.6 | 82.5 | 82.5 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 4000 | 1 | 34.2 | 83.4 | 84.6 | 84.6 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 3500 | 1 | 34.2 | 84.8 | 86.4 | 86.4 | 86.5 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 3000 | 1 | 34.3 | 87.4 | 89.2 | 89.2 | 89.5 | 89.5 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 2500 | 1 | 34.5 | 89.4 | 91.2 | 91.2 | 91.6 | 91.6 | 91.7 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 2000 | 1 | 34.5 | 90.9 | 92.7 | 92.7 | 93.1 | 93.1 | 93.3 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 1800 | 1 | 34.5 | 91.6 | 93.4 | 93.4 | 93.8 | 93.8 | 93.9 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 1500 | 1 | 34.5 | 92.4 | 94.7 | 94.9 | 95.3 | 95.3 | 95.5 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 1200 | 1 | 34.7 | 93.1 | 95.5 | 95.7 | 96.1 | 96.1 | 96.2 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 1000 | 1 | 34.7 | 94.6 | 97.0 | 97.3 | 97.7 | 97.7 | 97.8 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 900 | 1 | 34.7 | 94.8 | 97.7 | 97.9 | 98.3 | 98.3 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 800 | 1 | 34.7 | 94.8 | 97.7 | 97.9 | 98.3 | 98.3 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 700 | 1 | 34.7 | 94.9 | 97.8 | 98.1 | 98.4 | 98.4 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 600 | 1 | 34.7 | 95.1 | 97.9 | 98.3 | 98.7 | 98.7 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 1 | 34.7 | 95.1 | 98.2 | 98.7 | 99.5 | 99.5 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 1 | 34.7 | 95.1 | 98.2 | 98.7 | 99.6 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 1 | 34.7 | 95.1 | 98.2 | 98.7 | 99.6 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 1 | 34.7 | 95.1 | 98.2 | 98.7 | 99.6 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 1 | 34.7 | 95.1 | 98.2 | 98.7 | 99.6 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 1 | 34.7 | 95.1 | 98.2 | 98.7 | 99.6 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 772

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 76,78-84
MONTH: MAY HOURS(LST): 0300-0500

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|-----------------------------|-----|------|------|-------|-------|------|-------|------|------|------|------|------|------|------|------|-------|
| | 1/4 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| NO CEIL | 1 | 3.7 | 50.1 | 35.6 | 39.3 | 42.5 | 43.8 | 48.9 | 48.9 | 49.8 | 50.2 | 50.2 | 50.2 | 50.7 | 50.7 | 50.7 | 51.1 |
| CE 20000 | | 3.7 | 34.2 | 41.1 | 45.7 | 49.8 | 51.6 | 57.1 | 57.1 | 58.0 | 58.4 | 58.4 | 58.4 | 58.9 | 58.9 | 58.9 | 59.4 |
| CE 18000 | | 3.7 | 34.2 | 41.1 | 46.1 | 50.2 | 52.1 | 57.5 | 57.5 | 58.4 | 58.4 | 58.9 | 58.9 | 59.4 | 59.4 | 59.4 | 59.8 |
| CE 16000 | | 3.7 | 34.2 | 41.1 | 46.1 | 50.2 | 52.1 | 57.5 | 57.5 | 58.4 | 58.9 | 58.9 | 58.9 | 59.4 | 59.4 | 59.4 | 59.8 |
| CE 14000 | | 3.7 | 34.7 | 41.6 | 46.6 | 50.7 | 52.5 | 58.0 | 58.0 | 58.9 | 59.4 | 59.4 | 59.4 | 59.8 | 59.8 | 59.8 | 60.3 |
| CE 12000 | | 3.7 | 35.2 | 42.0 | 47.0 | 51.1 | 53.0 | 58.4 | 58.4 | 59.4 | 59.8 | 59.8 | 59.8 | 60.3 | 60.3 | 60.3 | 60.7 |
| CE 10000 | | 3.7 | 36.1 | 43.4 | 48.4 | 52.5 | 54.3 | 59.8 | 59.8 | 60.7 | 61.2 | 61.2 | 61.2 | 61.6 | 61.6 | 61.6 | 62.1 |
| CE 9000 | | 3.7 | 36.5 | 43.8 | 48.9 | 53.0 | 54.8 | 60.3 | 60.3 | 61.2 | 61.6 | 61.6 | 61.6 | 62.1 | 62.1 | 62.1 | 62.6 |
| CE 8000 | | 3.7 | 37.7 | 47.5 | 52.5 | 58.0 | 59.8 | 65.3 | 65.8 | 66.7 | 67.6 | 67.6 | 67.6 | 68.0 | 68.0 | 68.0 | 68.5 |
| CE 7000 | | 4.1 | 40.6 | 48.4 | 53.4 | 58.9 | 60.7 | 66.2 | 66.7 | 67.6 | 68.5 | 68.5 | 68.5 | 68.9 | 68.9 | 68.9 | 69.4 |
| CE 6000 | | 4.6 | 41.1 | 48.9 | 54.3 | 59.8 | 61.6 | 67.1 | 67.6 | 68.5 | 69.4 | 69.4 | 69.4 | 69.9 | 69.9 | 69.9 | 70.3 |
| CE 5000 | | 4.6 | 43.8 | 52.1 | 57.5 | 63.0 | 64.8 | 70.3 | 70.8 | 71.7 | 72.6 | 72.6 | 72.6 | 73.1 | 73.1 | 73.1 | 73.5 |
| CE 4500 | | 4.6 | 45.2 | 53.9 | 59.4 | 64.8 | 66.7 | 72.1 | 72.6 | 73.5 | 74.4 | 74.4 | 74.4 | 74.9 | 74.9 | 74.9 | 75.3 |
| CE 4000 | | 4.6 | 45.7 | 54.3 | 59.8 | 65.3 | 67.1 | 72.6 | 73.5 | 74.9 | 75.8 | 75.8 | 75.8 | 76.3 | 76.3 | 76.3 | 76.7 |
| CE 3500 | | 4.6 | 47.0 | 55.7 | 61.2 | 66.7 | 68.9 | 74.4 | 75.3 | 76.7 | 77.6 | 77.6 | 77.6 | 78.1 | 78.1 | 78.1 | 78.5 |
| CE 3000 | | 4.6 | 47.0 | 56.2 | 61.6 | 67.1 | 69.4 | 74.9 | 75.8 | 77.6 | 78.5 | 78.5 | 78.5 | 79.0 | 79.0 | 79.0 | 79.5 |
| CE 2500 | | 4.6 | 47.9 | 57.5 | 63.0 | 68.5 | 70.8 | 76.3 | 77.2 | 79.0 | 79.9 | 79.9 | 79.9 | 80.4 | 80.4 | 80.4 | 80.8 |
| CE 2000 | | 4.6 | 48.9 | 58.4 | 64.4 | 69.9 | 72.1 | 77.6 | 78.5 | 80.4 | 81.3 | 81.3 | 81.3 | 81.7 | 81.7 | 81.7 | 82.2 |
| CE 1800 | | 4.6 | 49.8 | 59.4 | 65.3 | 70.8 | 73.1 | 78.5 | 79.5 | 81.3 | 82.2 | 82.2 | 82.2 | 82.6 | 82.6 | 82.6 | 83.1 |
| CE 1500 | | 4.6 | 51.6 | 62.6 | 69.4 | 75.3 | 77.6 | 83.1 | 84.0 | 85.8 | 86.8 | 86.8 | 86.8 | 87.2 | 87.2 | 87.2 | 87.7 |
| CE 1200 | | 4.6 | 54.3 | 65.8 | 72.6 | 78.5 | 80.8 | 86.3 | 87.2 | 89.0 | 90.0 | 90.0 | 90.0 | 90.4 | 90.4 | 90.4 | 90.9 |
| CE 1000 | | 4.6 | 54.8 | 66.2 | 73.5 | 79.5 | 81.7 | 87.2 | 88.1 | 90.0 | 90.9 | 90.9 | 90.9 | 91.3 | 91.3 | 91.3 | 91.8 |
| CE 900 | | 4.6 | 55.3 | 66.7 | 74.4 | 80.4 | 82.6 | 88.1 | 89.0 | 90.9 | 91.8 | 91.8 | 91.8 | 92.2 | 92.2 | 92.2 | 92.7 |
| CE 800 | | 5.0 | 55.7 | 67.1 | 74.9 | 80.8 | 83.1 | 88.6 | 90.0 | 91.8 | 92.7 | 92.7 | 92.7 | 93.2 | 93.2 | 93.2 | 93.6 |
| CE 700 | | 5.0 | 55.7 | 67.1 | 74.9 | 81.3 | 83.6 | 89.0 | 90.4 | 92.7 | 93.6 | 93.6 | 93.6 | 94.1 | 94.1 | 94.1 | 94.5 |
| CE 600 | | 5.0 | 56.2 | 67.6 | 75.3 | 81.7 | 84.0 | 90.4 | 91.8 | 94.1 | 95.4 | 95.4 | 95.4 | 95.9 | 95.9 | 95.9 | 96.3 |
| CE 500 | | 5.0 | 56.2 | 67.6 | 75.3 | 81.7 | 84.0 | 90.4 | 91.8 | 94.1 | 95.4 | 95.4 | 95.4 | 95.9 | 95.9 | 95.9 | 96.3 |
| CE 400 | | 5.0 | 56.2 | 67.6 | 75.8 | 82.2 | 84.5 | 90.9 | 93.2 | 95.9 | 97.3 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 98.2 |
| CE 300 | | 5.0 | 56.2 | 67.6 | 75.8 | 82.2 | 84.5 | 90.9 | 93.2 | 95.9 | 97.3 | 97.7 | 97.7 | 98.2 | 98.2 | 98.2 | 98.6 |
| CE 200 | | 5.0 | 56.2 | 67.6 | 75.8 | 82.2 | 84.5 | 90.9 | 93.2 | 95.9 | 97.3 | 97.7 | 97.7 | 98.6 | 99.1 | 99.1 | 100.0 |
| CE 100 | | 5.0 | 56.2 | 67.6 | 75.8 | 82.2 | 84.5 | 90.9 | 93.2 | 95.9 | 97.3 | 97.7 | 97.7 | 98.6 | 99.1 | 99.1 | 100.0 |
| CE 0 | | 5.0 | 56.2 | 67.6 | 75.8 | 82.2 | 84.5 | 90.9 | 93.2 | 95.9 | 97.3 | 97.7 | 97.7 | 98.6 | 99.1 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 719

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 5.6 | 36.9 | 42.3 | 47.3 | 50.4 | 51.6 | 52.6 | 52.9 | 53.2 | 53.2 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.7 |
| GE 20000 | 5.6 | 41.6 | 47.5 | 53.3 | 57.1 | 58.4 | 59.5 | 59.8 | 60.1 | 60.1 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.5 |
| GE 18000 | 5.6 | 41.8 | 47.7 | 53.5 | 57.3 | 58.6 | 59.7 | 60.0 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.8 |
| GE 16000 | 5.6 | 41.8 | 47.7 | 53.5 | 57.3 | 58.6 | 59.7 | 60.0 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.8 |
| GE 14000 | 5.6 | 42.4 | 48.3 | 54.1 | 57.8 | 59.1 | 60.2 | 60.5 | 60.9 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.3 |
| GE 12000 | 5.6 | 43.1 | 49.1 | 55.1 | 59.0 | 60.3 | 61.4 | 61.7 | 62.0 | 62.0 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.5 |
| GE 10000 | 5.6 | 44.5 | 51.0 | 57.0 | 61.1 | 62.4 | 63.4 | 63.8 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.5 |
| GE 9000 | 5.7 | 45.2 | 51.7 | 57.7 | 61.8 | 63.1 | 64.2 | 64.5 | 64.8 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.3 |
| GE 8000 | 5.7 | 48.5 | 55.4 | 62.2 | 66.3 | 67.6 | 68.9 | 69.2 | 69.6 | 69.6 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 70.0 |
| GE 7000 | 6.0 | 49.8 | 56.8 | 63.5 | 67.8 | 69.1 | 70.4 | 70.9 | 71.2 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 |
| GE 6000 | 6.3 | 50.4 | 57.5 | 64.4 | 68.7 | 70.0 | 71.3 | 71.7 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.5 |
| GE 5000 | 6.3 | 52.7 | 60.0 | 66.9 | 71.4 | 72.7 | 74.0 | 74.4 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 75.2 |
| GE 4500 | 6.3 | 53.2 | 60.5 | 67.4 | 72.2 | 73.5 | 74.8 | 75.3 | 75.6 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.0 |
| GE 4000 | 6.3 | 53.9 | 61.3 | 68.3 | 73.0 | 74.5 | 75.9 | 76.5 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.2 |
| GE 3500 | 6.3 | 54.7 | 62.2 | 69.2 | 74.0 | 75.7 | 77.1 | 77.6 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 |
| GE 3000 | 6.3 | 55.9 | 63.3 | 70.4 | 75.2 | 77.0 | 78.4 | 78.9 | 79.4 | 79.4 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.8 |
| GE 2500 | 6.3 | 56.6 | 64.4 | 72.0 | 76.8 | 78.6 | 80.0 | 80.5 | 81.0 | 81.0 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.4 |
| GE 2000 | 6.6 | 58.7 | 66.7 | 74.3 | 79.1 | 81.0 | 82.4 | 82.9 | 83.3 | 83.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.8 |
| GE 1900 | 6.6 | 59.5 | 67.5 | 75.2 | 80.0 | 81.9 | 83.3 | 83.9 | 84.3 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.7 |
| GE 1500 | 6.6 | 60.6 | 69.5 | 77.2 | 82.3 | 84.3 | 85.7 | 86.3 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.2 |
| GE 1200 | 6.8 | 63.4 | 72.3 | 80.0 | 85.1 | 87.1 | 88.6 | 89.2 | 89.7 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.1 |
| GE 1000 | 6.8 | 64.6 | 73.7 | 81.6 | 86.8 | 88.8 | 90.4 | 91.1 | 91.5 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 92.0 |
| GE 900 | 6.9 | 65.3 | 74.4 | 82.4 | 87.7 | 89.8 | 91.4 | 92.0 | 92.7 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.3 |
| GE 800 | 6.9 | 65.4 | 74.9 | 82.9 | 88.5 | 90.6 | 92.5 | 93.2 | 93.9 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.5 |
| GE 700 | 6.9 | 65.5 | 75.2 | 83.1 | 88.8 | 91.0 | 93.1 | 93.9 | 94.5 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 |
| GE 600 | 6.9 | 65.6 | 75.4 | 83.4 | 89.4 | 91.5 | 93.8 | 94.5 | 95.3 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.2 |
| GE 500 | 6.9 | 65.7 | 75.9 | 84.0 | 89.9 | 92.0 | 94.5 | 95.4 | 96.1 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 97.2 |
| GE 400 | 6.9 | 65.8 | 76.0 | 84.1 | 90.0 | 92.2 | 94.8 | 95.9 | 96.7 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.8 |
| GE 300 | 6.9 | 65.8 | 76.0 | 84.1 | 90.0 | 92.2 | 94.9 | 96.0 | 96.8 | 97.6 | 98.3 | 98.3 | 98.4 | 98.5 | 98.7 | 99.1 |
| GE 200 | 6.9 | 65.8 | 76.0 | 84.1 | 90.0 | 92.2 | 94.9 | 96.0 | 96.8 | 97.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.4 | 99.8 |
| GE 100 | 6.9 | 65.8 | 76.0 | 84.1 | 90.0 | 92.2 | 94.9 | 96.0 | 96.8 | 97.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.5 | 100.0 |
| GE 0 | 6.9 | 65.8 | 76.0 | 84.1 | 90.0 | 92.2 | 94.9 | 96.0 | 96.8 | 97.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 7.9 | 51.7 | 54.2 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| GE 20000 | 10.6 | 57.4 | 60.6 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 18000 | 10.6 | 57.4 | 60.6 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 16000 | 10.6 | 57.4 | 60.6 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 14000 | 10.6 | 57.5 | 60.8 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 12000 | 10.6 | 59.1 | 62.5 | 63.9 | 64.3 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 10000 | 11.2 | 61.9 | 65.3 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| GE 9000 | 11.5 | 63.3 | 66.7 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 8000 | 11.8 | 66.2 | 69.6 | 71.5 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 7000 | 12.0 | 67.3 | 70.6 | 72.9 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 6000 | 12.0 | 68.3 | 71.7 | 74.1 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 5000 | 12.0 | 70.4 | 74.0 | 76.3 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 4500 | 12.0 | 70.9 | 74.4 | 77.0 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 4000 | 12.0 | 72.8 | 76.5 | 79.2 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 3500 | 12.2 | 74.7 | 78.6 | 81.5 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 3000 | 12.4 | 78.9 | 82.8 | 85.7 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 2500 | 12.9 | 80.5 | 84.4 | 87.5 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 2000 | 13.3 | 83.5 | 87.5 | 90.8 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 1800 | 13.3 | 84.0 | 88.0 | 91.2 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 1500 | 13.5 | 86.5 | 90.4 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 1200 | 13.9 | 87.7 | 92.0 | 95.6 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 1000 | 14.0 | 88.4 | 92.9 | 96.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 900 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 700 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 600 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 500 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 400 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 300 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 100 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 0 | 14.0 | 88.7 | 93.3 | 96.9 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72226F STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(IST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 13.7 | 54.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| GE 20000 | 15.3 | 63.7 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 18000 | 15.3 | 63.9 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 16000 | 15.3 | 63.9 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 14000 | 15.3 | 63.9 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 12000 | 15.0 | 65.6 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 10000 | 16.7 | 68.7 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 9000 | 16.7 | 69.9 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 8000 | 16.9 | 73.0 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 7000 | 17.0 | 73.7 | 74.7 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 6000 | 17.0 | 74.7 | 75.6 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 5000 | 17.4 | 77.7 | 78.9 | 79.4 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 4500 | 17.7 | 79.1 | 80.3 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 4000 | 18.0 | 82.8 | 84.2 | 84.7 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 3500 | 19.6 | 86.7 | 88.5 | 89.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 3000 | 19.5 | 90.5 | 92.7 | 93.2 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 2500 | 19.8 | 92.0 | 94.3 | 94.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 2000 | 20.0 | 93.2 | 95.6 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1800 | 20.0 | 93.4 | 95.8 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1500 | 20.2 | 94.5 | 97.0 | 97.6 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1200 | 20.3 | 94.8 | 97.5 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1000 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 |
| GE 800 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 700 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 600 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 500 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 400 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 300 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 200 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 100 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 0 | 20.3 | 95.1 | 97.7 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(1ST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 15.6 | 54.7 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| GE 20000 | 19.2 | 67.3 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 18000 | 18.3 | 67.4 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 16000 | 19.3 | 67.4 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 14000 | 13.8 | 68.5 | 69.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 12000 | 19.1 | 70.5 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 10000 | 20.0 | 75.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 9000 | 20.1 | 75.5 | 76.6 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 8000 | 20.8 | 79.9 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 7000 | 21.1 | 81.2 | 82.6 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 6000 | 21.1 | 81.5 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 5000 | 21.4 | 84.5 | 86.5 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 4500 | 21.4 | 85.8 | 87.7 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 4000 | 22.0 | 88.5 | 90.8 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 3500 | 22.6 | 91.3 | 94.0 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 3000 | 23.0 | 93.1 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 2500 | 23.4 | 94.1 | 96.8 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2000 | 23.7 | 95.3 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1800 | 23.7 | 95.3 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1600 | 23.8 | 95.5 | 98.2 | 98.5 | 98.7 | 98.9 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 23.8 | 95.5 | 98.2 | 98.5 | 98.7 | 98.9 | 99.0 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 23.8 | 95.5 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 15.3 | 58.4 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| GE 20000 | 16.6 | 70.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 18000 | 17.0 | 71.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 16000 | 17.0 | 71.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 14000 | 17.6 | 72.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 12000 | 18.0 | 74.4 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 10000 | 18.6 | 78.5 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 9000 | 18.8 | 78.7 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 8000 | 19.9 | 84.2 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 7000 | 19.9 | 84.5 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 6000 | 19.9 | 84.8 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 5000 | 20.2 | 87.2 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 4500 | 20.2 | 88.1 | 90.0 | 90.1 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 4000 | 20.5 | 90.6 | 92.5 | 92.6 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 3500 | 20.6 | 92.1 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 3000 | 20.7 | 93.7 | 95.8 | 95.9 | 96.2 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 2500 | 20.9 | 94.3 | 96.5 | 96.7 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2000 | 21.0 | 94.8 | 97.0 | 97.3 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1800 | 21.1 | 95.2 | 97.4 | 97.7 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1600 | 21.1 | 95.5 | 97.9 | 98.3 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1400 | 21.1 | 95.5 | 97.9 | 98.3 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1000 | 21.1 | 95.6 | 98.2 | 98.5 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 900 | 21.2 | 95.9 | 98.3 | 98.6 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 21.2 | 95.9 | 98.4 | 98.7 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 21.2 | 95.9 | 98.4 | 98.7 | 99.3 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 21.2 | 95.9 | 98.4 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 21.2 | 95.9 | 98.4 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 21.2 | 95.9 | 98.4 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 21.2 | 95.9 | 98.4 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 21.2 | 95.9 | 98.4 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 21.2 | 95.9 | 98.4 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 21.2 | 95.9 | 98.4 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAG
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722765 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: MAY HOURS(IST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|--|-----------------------------|------|------|------|-------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 16.9 | 67.9 | 68.9 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 20000 | | 17.4 | 75.8 | 76.9 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 18000 | | 18.0 | 76.6 | 77.7 | 77.9 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 16000 | | 19.0 | 76.6 | 77.7 | 77.9 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 14000 | | 18.0 | 77.4 | 78.6 | 78.7 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 12000 | | 18.2 | 77.9 | 79.1 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 10000 | | 18.3 | 81.2 | 82.5 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 9000 | | 18.3 | 81.2 | 82.5 | 82.7 | 82.8 | 82.8 | 82.9 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 8000 | | 18.4 | 84.9 | 86.4 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 7000 | | 19.3 | 85.6 | 87.1 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 6000 | | 19.3 | 86.1 | 87.6 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 5000 | | 19.6 | 87.9 | 89.4 | 89.5 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 4500 | | 19.6 | 88.7 | 90.3 | 90.5 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 4000 | | 19.6 | 90.2 | 91.8 | 92.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 3500 | | 20.0 | 92.3 | 93.4 | 94.1 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 3000 | | 20.0 | 94.1 | 95.7 | 96.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 2500 | | 20.0 | 94.6 | 96.4 | 96.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 2000 | | 20.5 | 95.3 | 97.2 | 97.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1800 | | 20.5 | 95.6 | 97.5 | 97.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1600 | | 20.5 | 96.1 | 98.4 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1400 | | 20.5 | 96.1 | 98.4 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | | 20.5 | 96.1 | 98.4 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | | 20.5 | 96.1 | 98.4 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 71 | | 20.5 | 96.2 | 98.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 411

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722765 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-76,78-84
MONTH: JUN HOURS(LST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 3.3 | 28.5 | 36.0 | 43.5 | 53.3 | 57.9 | 60.7 | 61.2 | 62.1 | 62.6 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 20000 | 3.7 | 34.1 | 42.5 | 50.9 | 61.2 | 65.9 | 68.7 | 69.2 | 70.1 | 70.6 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 18000 | 3.7 | 34.1 | 42.5 | 50.9 | 61.2 | 65.9 | 68.7 | 69.2 | 70.1 | 70.6 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 16000 | 3.7 | 34.1 | 42.5 | 50.9 | 61.2 | 65.9 | 68.7 | 69.2 | 70.1 | 70.6 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 14000 | 3.7 | 34.1 | 42.5 | 50.9 | 61.2 | 65.9 | 68.7 | 69.2 | 70.1 | 70.6 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 12000 | 3.7 | 35.0 | 44.4 | 52.8 | 63.1 | 67.8 | 70.6 | 71.0 | 72.0 | 72.4 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 10000 | 3.7 | 36.0 | 45.8 | 54.7 | 66.8 | 72.0 | 75.2 | 75.7 | 76.6 | 77.1 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 9000 | 3.7 | 36.0 | 45.8 | 54.7 | 66.8 | 72.0 | 75.2 | 75.7 | 76.6 | 77.1 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 8000 | 3.7 | 37.9 | 48.1 | 57.5 | 69.6 | 74.8 | 78.0 | 78.5 | 79.4 | 79.9 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 7000 | 3.7 | 37.9 | 48.1 | 57.5 | 69.6 | 74.8 | 78.0 | 78.5 | 79.4 | 79.9 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 6000 | 3.7 | 38.3 | 49.1 | 58.4 | 70.6 | 75.7 | 79.0 | 79.4 | 80.4 | 80.8 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 5000 | 3.7 | 41.1 | 51.9 | 61.7 | 73.8 | 79.0 | 82.2 | 82.7 | 83.6 | 84.1 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 4500 | 4.2 | 42.5 | 53.3 | 63.1 | 75.2 | 80.4 | 83.6 | 84.1 | 85.0 | 85.5 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 4000 | 4.2 | 42.5 | 53.3 | 63.1 | 75.2 | 80.4 | 83.6 | 84.1 | 85.0 | 85.5 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 3500 | 4.2 | 42.5 | 53.3 | 63.1 | 75.2 | 80.4 | 83.6 | 84.1 | 85.0 | 85.5 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 3000 | 4.2 | 42.5 | 53.3 | 63.1 | 75.7 | 80.6 | 84.1 | 84.6 | 85.5 | 86.0 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| GE 2500 | 4.2 | 43.0 | 54.2 | 64.0 | 76.6 | 81.8 | 85.0 | 85.5 | 86.4 | 86.9 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 2000 | 4.2 | 43.5 | 54.7 | 64.5 | 77.1 | 82.2 | 85.5 | 86.4 | 87.4 | 87.9 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 1800 | 4.2 | 43.9 | 55.1 | 65.0 | 77.6 | 82.7 | 86.0 | 86.9 | 87.9 | 88.3 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 1600 | 4.2 | 44.4 | 56.1 | 65.9 | 78.5 | 83.6 | 87.4 | 88.3 | 89.3 | 89.7 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 1400 | 4.2 | 45.3 | 57.0 | 66.8 | 79.4 | 84.6 | 88.3 | 89.3 | 90.2 | 90.7 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 1000 | 4.2 | 45.8 | 57.5 | 67.8 | 80.4 | 85.5 | 89.3 | 90.2 | 91.1 | 91.6 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 900 | 4.2 | 46.7 | 58.4 | 68.7 | 81.3 | 86.4 | 90.2 | 91.1 | 92.1 | 92.5 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 800 | 4.2 | 47.2 | 59.3 | 69.6 | 82.2 | 87.4 | 91.1 | 92.1 | 93.0 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 700 | 4.2 | 47.7 | 59.8 | 70.1 | 82.7 | 87.9 | 91.6 | 92.5 | 93.5 | 93.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 600 | 4.2 | 48.1 | 60.7 | 71.0 | 84.6 | 89.7 | 93.9 | 94.9 | 95.8 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 500 | 4.2 | 48.1 | 60.7 | 71.0 | 85.0 | 90.2 | 94.4 | 95.3 | 96.3 | 96.7 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 400 | 4.2 | 48.1 | 61.2 | 71.5 | 86.0 | 91.1 | 95.3 | 96.3 | 97.2 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 300 | 4.2 | 48.1 | 61.2 | 71.5 | 86.0 | 91.1 | 95.3 | 96.3 | 97.2 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 200 | 4.2 | 48.1 | 61.2 | 71.5 | 86.0 | 91.1 | 95.8 | 96.7 | 98.1 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 |
| GE 100 | 4.2 | 48.1 | 61.2 | 71.5 | 86.0 | 91.1 | 95.8 | 96.7 | 98.1 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 100.0 |
| GE 0 | 4.2 | 48.1 | 61.2 | 71.5 | 86.0 | 91.1 | 95.8 | 96.7 | 98.1 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 214

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|---|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO DATA | 1 | 5.3 | 40.9 | 48.1 | 53.2 | 57.7 | 59.5 | 60.9 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GE 20000 | | 5.4 | 44.4 | 53.0 | 58.5 | 63.2 | 65.2 | 66.7 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 18000 | | 5.4 | 44.4 | 53.1 | 58.6 | 63.3 | 65.3 | 66.8 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 16000 | | 5.4 | 44.4 | 53.1 | 58.6 | 63.3 | 65.3 | 66.8 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 14000 | | 5.4 | 44.6 | 53.2 | 58.7 | 63.4 | 65.4 | 66.9 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 12000 | | 5.4 | 46.9 | 56.1 | 61.7 | 66.4 | 68.5 | 69.9 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 10000 | | 5.4 | 50.1 | 59.7 | 65.4 | 70.4 | 72.5 | 74.0 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 9000 | | 5.4 | 50.5 | 60.3 | 66.0 | 70.9 | 73.1 | 74.5 | 74.9 | 74.9 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 8000 | | 5.4 | 53.1 | 63.9 | 69.8 | 74.9 | 77.0 | 78.5 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 7000 | | 5.4 | 53.6 | 64.4 | 70.4 | 75.4 | 77.7 | 79.1 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 6000 | | 5.4 | 54.0 | 64.8 | 70.7 | 75.8 | 78.0 | 79.5 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 5000 | | 5.4 | 56.0 | 67.0 | 73.0 | 78.1 | 80.4 | 81.8 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 4000 | | 5.4 | 56.6 | 67.7 | 73.7 | 78.9 | 81.3 | 82.7 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 3000 | | 5.4 | 56.8 | 67.9 | 74.0 | 79.1 | 81.5 | 82.9 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 2500 | | 5.4 | 57.1 | 68.2 | 74.3 | 79.5 | 81.8 | 83.3 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 2000 | | 5.4 | 57.9 | 69.1 | 75.2 | 80.5 | 82.8 | 84.3 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 1800 | | 5.4 | 58.5 | 69.9 | 76.0 | 81.3 | 83.6 | 85.1 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 1600 | | 5.4 | 59.7 | 71.2 | 77.2 | 82.6 | 85.0 | 86.5 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 1400 | | 5.4 | 59.9 | 71.4 | 77.4 | 82.8 | 85.2 | 86.9 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 1200 | | 5.4 | 61.5 | 73.2 | 79.3 | 84.8 | 87.2 | 89.1 | 89.5 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 1000 | | 5.4 | 62.7 | 74.5 | 81.0 | 86.5 | 88.9 | 90.8 | 91.1 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 900 | | 5.4 | 64.0 | 75.9 | 82.6 | 88.4 | 90.8 | 93.0 | 93.4 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 800 | | 5.4 | 64.9 | 77.1 | 83.8 | 89.7 | 92.0 | 94.3 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 700 | | 5.4 | 65.4 | 78.0 | 84.7 | 90.6 | 92.9 | 95.2 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 600 | | 5.4 | 65.7 | 78.3 | 85.3 | 91.1 | 93.5 | 95.7 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 500 | | 5.6 | 66.6 | 79.6 | 86.6 | 92.5 | 94.8 | 97.1 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 400 | | 5.6 | 66.7 | 80.2 | 87.3 | 93.2 | 95.6 | 98.0 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 300 | | 5.6 | 66.7 | 80.2 | 87.4 | 93.3 | 96.0 | 98.5 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 200 | | 5.6 | 66.7 | 80.2 | 87.5 | 93.4 | 96.1 | 98.7 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 100 | | 5.6 | 66.7 | 80.2 | 87.5 | 93.4 | 96.1 | 98.7 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 0 | | 5.6 | 66.7 | 80.2 | 87.5 | 93.4 | 96.1 | 98.7 | 99.2 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 841

NAVJAG CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LEST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 92.6 | 97.9 | 60.6 | 67.6 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 20000 | 10.1 | 63.0 | 66.0 | 68.1 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 18000 | 10.1 | 63.1 | 66.3 | 68.5 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 16000 | 10.1 | 63.5 | 66.8 | 68.9 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 14000 | 10.1 | 63.9 | 67.1 | 69.2 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 12000 | 10.7 | 66.3 | 69.6 | 71.7 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 10000 | 10.8 | 71.0 | 74.4 | 76.5 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 9000 | 11.0 | 71.7 | 75.1 | 77.2 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 8000 | 11.3 | 73.6 | 77.6 | 79.7 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 7000 | 11.7 | 79.3 | 78.0 | 80.1 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 6000 | 11.6 | 74.5 | 79.2 | 80.4 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 5000 | 11.7 | 76.5 | 80.7 | 82.9 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 4500 | 11.7 | 76.9 | 80.7 | 82.7 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 4000 | 11.9 | 77.7 | 81.0 | 83.2 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 3500 | 11.9 | 74.8 | 82.5 | 85.0 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 3000 | 11.8 | 82.2 | 86.1 | 88.4 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 2500 | 11.9 | 93.1 | 87.1 | 89.6 | 91.1 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 2000 | 11.9 | 94.5 | 88.5 | 91.4 | 93.0 | 93.3 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1800 | 11.9 | 95.1 | 89.7 | 91.9 | 93.6 | 93.9 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 1600 | 11.9 | 96.9 | 91.5 | 93.9 | 95.7 | 96.1 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 1400 | 11.9 | 97.0 | 92.8 | 95.4 | 97.2 | 97.5 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 1200 | 11.9 | 97.1 | 93.4 | 96.7 | 98.7 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1000 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 0 | 11.9 | 97.2 | 94.1 | 97.1 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 841

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAG
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 72265 STATION NAME: MAYWELL AFB AL

PERIOD OF RECORD: 75-84
 MONTH: AUG HOURS(LST): 0900-1100

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| NO CEIL | 1 | 2.5 | 53.9 | 60.1 | 64.2 | 65.1 | 65.5 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 20000 | 10.2 | 57.5 | 64.1 | 66.5 | 69.4 | 69.8 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 18000 | 10.2 | 57.5 | 64.2 | 68.5 | 69.4 | 69.8 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 16000 | 10.2 | 57.6 | 64.3 | 68.6 | 69.5 | 69.9 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 14000 | 10.2 | 58.1 | 64.7 | 69.0 | 69.9 | 70.3 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 12000 | 10.2 | 59.5 | 66.7 | 71.0 | 71.9 | 72.4 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 10000 | 10.3 | 62.7 | 69.8 | 74.2 | 75.3 | 75.7 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 9000 | 10.3 | 63.3 | 70.4 | 74.8 | 75.9 | 76.3 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 8000 | 10.6 | 66.0 | 73.2 | 77.6 | 79.7 | 79.1 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 7000 | 10.6 | 66.5 | 73.7 | 78.2 | 79.2 | 79.7 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 6000 | 10.6 | 66.7 | 74.0 | 78.6 | 79.7 | 80.1 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 5000 | 10.8 | 67.5 | 74.8 | 79.5 | 80.5 | 81.0 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 4500 | 10.8 | 67.7 | 75.1 | 79.7 | 80.8 | 81.2 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 4000 | 10.9 | 68.4 | 75.9 | 80.5 | 81.6 | 82.0 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 3500 | 11.1 | 69.9 | 77.4 | 82.0 | 83.1 | 83.5 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 3000 | 12.0 | 72.5 | 80.2 | 85.1 | 86.1 | 86.6 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 2500 | 12.0 | 73.3 | 81.1 | 85.9 | 87.0 | 87.4 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 2000 | 12.0 | 74.8 | 82.9 | 87.7 | 88.8 | 89.2 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 1800 | 12.0 | 75.1 | 83.1 | 88.1 | 89.4 | 89.8 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 1600 | 12.2 | 76.7 | 84.8 | 90.2 | 91.5 | 91.9 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 1400 | 12.8 | 79.4 | 87.8 | 93.2 | 94.5 | 94.9 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 1200 | 13.1 | 80.4 | 89.6 | 95.4 | 96.8 | 97.2 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1000 | 13.1 | 81.1 | 90.3 | 96.1 | 97.5 | 98.1 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 900 | 13.2 | 81.4 | 90.6 | 96.5 | 97.9 | 98.5 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 800 | 13.2 | 81.5 | 90.6 | 96.6 | 98.1 | 98.6 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | 13.2 | 81.5 | 90.6 | 96.7 | 98.2 | 98.7 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 600 | 13.2 | 81.5 | 90.9 | 97.0 | 98.5 | 99.0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 13.2 | 81.5 | 90.9 | 97.0 | 98.5 | 99.0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 13.2 | 81.5 | 90.9 | 97.0 | 98.5 | 99.0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 13.2 | 81.5 | 90.9 | 97.0 | 98.5 | 99.0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 13.2 | 81.5 | 90.9 | 97.0 | 98.5 | 99.0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 13.2 | 81.5 | 90.9 | 97.0 | 98.5 | 99.0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722705 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|---|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|-------|-------|
| | | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 1 | 3.0 | 30.6 | 40.4 | 48.6 | 55.4 | 58.4 | 60.8 | 62.6 | 63.2 | 63.4 | 63.4 | 63.4 | 63.5 | 63.7 | 63.7 | 63.7 |
| GE 20000 | | 3.0 | 32.6 | 42.4 | 50.9 | 57.7 | 60.8 | 63.1 | 65.1 | 65.7 | 66.1 | 66.1 | 66.1 | 66.2 | 66.3 | 66.3 | 66.3 |
| GE 18000 | | 3.0 | 32.6 | 42.4 | 50.9 | 57.7 | 60.8 | 63.1 | 65.1 | 65.7 | 66.1 | 66.1 | 66.1 | 66.2 | 66.3 | 66.3 | 66.3 |
| GE 16000 | | 3.0 | 32.6 | 42.4 | 50.9 | 57.7 | 60.8 | 63.1 | 65.1 | 65.7 | 66.1 | 66.1 | 66.1 | 66.2 | 66.3 | 66.3 | 66.3 |
| GE 14000 | | 3.0 | 32.6 | 42.4 | 50.9 | 57.7 | 60.8 | 63.1 | 65.1 | 65.7 | 66.1 | 66.1 | 66.1 | 66.2 | 66.3 | 66.3 | 66.3 |
| GE 12000 | | 3.0 | 32.9 | 42.7 | 51.5 | 58.9 | 61.9 | 64.4 | 66.3 | 67.0 | 67.4 | 67.4 | 67.4 | 67.5 | 67.6 | 67.6 | 67.6 |
| GE 10000 | | 3.0 | 34.7 | 45.2 | 54.2 | 61.8 | 65.1 | 67.5 | 69.5 | 70.1 | 70.5 | 70.5 | 70.5 | 70.6 | 70.8 | 70.8 | 70.8 |
| GE 9000 | | 3.0 | 35.2 | 45.6 | 54.7 | 62.4 | 65.6 | 68.1 | 70.0 | 70.6 | 71.1 | 71.1 | 71.1 | 71.2 | 71.3 | 71.3 | 71.3 |
| GE 8000 | | 3.0 | 37.2 | 48.5 | 58.4 | 66.0 | 69.4 | 71.9 | 73.9 | 74.5 | 74.9 | 74.9 | 74.9 | 75.1 | 75.3 | 75.3 | 75.3 |
| GE 7000 | | 3.1 | 37.8 | 49.1 | 59.0 | 66.8 | 70.1 | 73.0 | 74.9 | 75.6 | 76.0 | 76.0 | 76.0 | 76.1 | 76.3 | 76.3 | 76.3 |
| GE 6000 | | 3.1 | 37.8 | 49.1 | 59.1 | 67.1 | 70.4 | 73.4 | 75.4 | 76.0 | 76.5 | 76.5 | 76.5 | 76.6 | 76.8 | 76.8 | 76.8 |
| GE 5000 | | 3.1 | 38.3 | 50.0 | 60.0 | 68.1 | 71.4 | 74.4 | 76.3 | 77.0 | 77.4 | 77.4 | 77.4 | 77.5 | 77.7 | 77.7 | 77.7 |
| GE 4500 | | 3.1 | 38.6 | 50.3 | 60.4 | 68.5 | 71.9 | 74.9 | 76.9 | 77.5 | 78.0 | 78.0 | 78.0 | 78.1 | 78.3 | 78.3 | 78.3 |
| GE 4000 | | 3.1 | 38.9 | 50.8 | 60.9 | 68.9 | 72.4 | 75.4 | 77.3 | 78.0 | 78.4 | 78.4 | 78.4 | 78.5 | 78.7 | 78.7 | 78.7 |
| GE 3500 | | 3.2 | 39.2 | 51.1 | 61.2 | 69.2 | 72.7 | 75.7 | 77.6 | 78.3 | 78.7 | 78.7 | 78.7 | 78.8 | 79.0 | 79.0 | 79.0 |
| GE 3000 | | 3.2 | 39.9 | 51.7 | 61.8 | 70.1 | 73.5 | 76.6 | 78.5 | 79.1 | 79.6 | 79.6 | 79.6 | 79.7 | 79.9 | 79.9 | 79.9 |
| GE 2500 | | 3.2 | 40.4 | 52.3 | 62.5 | 70.8 | 74.2 | 77.3 | 79.2 | 79.9 | 80.3 | 80.3 | 80.3 | 80.4 | 80.6 | 80.6 | 80.6 |
| GE 2000 | | 3.3 | 41.6 | 53.4 | 63.7 | 71.9 | 75.4 | 78.6 | 80.5 | 81.2 | 81.6 | 81.6 | 81.6 | 81.7 | 81.9 | 81.9 | 81.9 |
| GE 1800 | | 3.3 | 41.7 | 53.5 | 63.9 | 72.2 | 75.6 | 78.8 | 80.8 | 81.4 | 81.8 | 81.8 | 81.8 | 81.9 | 82.2 | 82.2 | 82.2 |
| GE 1600 | | 3.3 | 42.4 | 54.4 | 65.2 | 73.4 | 77.0 | 80.3 | 82.3 | 82.9 | 83.3 | 83.4 | 83.4 | 83.5 | 83.8 | 83.8 | 83.8 |
| GE 1400 | | 3.7 | 43.3 | 55.5 | 66.9 | 75.3 | 78.8 | 82.2 | 84.1 | 84.7 | 85.2 | 85.3 | 85.3 | 85.4 | 85.6 | 85.6 | 85.6 |
| GE 1200 | | 3.7 | 44.6 | 57.2 | 68.9 | 77.4 | 81.0 | 84.3 | 86.2 | 86.9 | 87.3 | 87.4 | 87.4 | 87.5 | 87.7 | 87.7 | 87.7 |
| GE 1000 | | 3.7 | 45.7 | 59.1 | 71.2 | 79.8 | 83.5 | 86.9 | 88.8 | 89.5 | 89.9 | 90.0 | 90.0 | 90.1 | 90.3 | 90.3 | 90.3 |
| GE 900 | | 3.8 | 46.6 | 60.4 | 72.7 | 81.4 | 85.3 | 88.7 | 90.6 | 91.3 | 91.7 | 91.8 | 91.8 | 91.9 | 92.2 | 92.2 | 92.2 |
| GE 800 | | 3.8 | 46.9 | 61.1 | 73.8 | 82.7 | 86.6 | 90.1 | 92.0 | 92.7 | 93.1 | 93.2 | 93.2 | 93.3 | 93.5 | 93.5 | 93.5 |
| GE 700 | | 3.8 | 47.5 | 62.2 | 75.4 | 84.4 | 88.4 | 91.9 | 93.4 | 94.5 | 94.9 | 95.1 | 95.1 | 95.2 | 95.4 | 95.4 | 95.4 |
| GE 600 | | 3.8 | 48.1 | 63.2 | 76.6 | 85.9 | 90.1 | 93.9 | 96.0 | 96.7 | 97.1 | 97.2 | 97.2 | 97.3 | 97.5 | 97.5 | 97.5 |
| GE 500 | | 3.8 | 48.2 | 63.3 | 76.9 | 86.5 | 90.6 | 94.6 | 97.2 | 97.8 | 98.3 | 98.4 | 98.4 | 98.5 | 98.7 | 98.7 | 98.7 |
| GE 400 | | 3.8 | 48.2 | 63.3 | 76.9 | 86.7 | 90.9 | 95.2 | 97.7 | 98.4 | 98.9 | 99.0 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 |
| GE 300 | | 3.8 | 48.2 | 63.3 | 76.9 | 86.8 | 91.0 | 95.3 | 97.8 | 98.6 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 |
| GE 200 | | 3.8 | 48.2 | 63.3 | 76.9 | 86.8 | 91.0 | 95.3 | 97.8 | 98.6 | 99.1 | 99.4 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 100 | | 3.8 | 48.2 | 63.3 | 76.9 | 86.8 | 91.0 | 95.3 | 97.8 | 98.6 | 99.1 | 99.4 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 |
| GE 0 | | 3.8 | 48.2 | 63.3 | 76.9 | 86.8 | 91.0 | 95.3 | 97.8 | 98.6 | 99.1 | 99.4 | 99.5 | 99.8 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH
USAFITAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-76,78-84
MONTH: AUG HOURS(LST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 1.4 | 18.7 | 26.5 | 37.4 | 51.1 | 56.6 | 60.7 | 62.6 | 64.4 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.8 | 65.8 |
| GE 20000 | 1.4 | 21.0 | 28.8 | 40.2 | 53.9 | 59.4 | 63.9 | 66.2 | 68.0 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.4 | 69.4 |
| GE 18000 | 1.4 | 21.0 | 28.8 | 40.2 | 53.9 | 59.4 | 63.9 | 66.2 | 68.0 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.4 | 69.4 |
| GE 16000 | 1.4 | 21.0 | 28.8 | 40.2 | 53.9 | 59.4 | 63.9 | 66.2 | 68.0 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.4 | 69.4 |
| GE 14000 | 1.4 | 21.0 | 28.8 | 40.2 | 53.9 | 59.4 | 63.9 | 66.2 | 68.0 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.4 | 69.4 |
| GE 12000 | 1.4 | 21.5 | 29.2 | 40.6 | 54.3 | 59.8 | 64.4 | 66.7 | 69.5 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.9 | 69.9 |
| GE 10000 | 1.4 | 24.7 | 32.4 | 44.3 | 59.4 | 65.8 | 70.8 | 73.5 | 75.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.7 | 76.7 |
| GE 9000 | 1.4 | 24.7 | 32.4 | 44.3 | 59.4 | 65.8 | 70.8 | 73.5 | 75.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.7 | 76.7 |
| GE 8000 | 1.4 | 25.6 | 33.3 | 45.7 | 61.2 | 67.6 | 72.6 | 75.3 | 77.2 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.5 | 78.5 |
| GE 7000 | 1.4 | 25.6 | 33.3 | 46.1 | 61.6 | 68.0 | 73.1 | 75.8 | 77.6 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 79.0 | 79.0 |
| GE 6000 | 1.4 | 25.6 | 33.3 | 46.1 | 61.6 | 68.0 | 73.5 | 76.3 | 78.1 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.5 | 79.5 |
| GE 5000 | 1.4 | 25.6 | 33.3 | 46.6 | 62.6 | 68.9 | 74.9 | 77.6 | 79.5 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.8 | 80.8 |
| GE 4500 | 1.4 | 26.0 | 33.8 | 47.0 | 63.5 | 69.9 | 75.8 | 78.5 | 80.4 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.7 | 81.7 |
| GE 4000 | 1.4 | 26.0 | 33.8 | 47.5 | 64.4 | 70.8 | 76.7 | 79.5 | 81.3 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.6 | 82.6 |
| GE 3500 | 2.3 | 26.5 | 34.2 | 47.9 | 65.3 | 71.7 | 77.6 | 80.4 | 82.2 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.6 | 83.6 |
| GE 3000 | 2.3 | 26.9 | 34.7 | 48.4 | 65.8 | 72.1 | 78.1 | 80.8 | 82.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 84.0 | 84.0 |
| GE 2500 | 2.3 | 27.4 | 35.2 | 49.3 | 66.7 | 73.5 | 79.5 | 82.2 | 84.0 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.4 | 85.4 |
| GE 2000 | 2.3 | 28.3 | 36.5 | 51.6 | 68.9 | 75.8 | 81.7 | 84.5 | 86.3 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.7 | 87.7 |
| GE 1800 | 2.3 | 28.3 | 36.5 | 52.1 | 69.4 | 76.3 | 82.2 | 84.9 | 86.8 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 88.1 | 88.1 |
| GE 1500 | 2.3 | 28.3 | 37.0 | 53.4 | 70.8 | 77.6 | 83.6 | 86.3 | 88.1 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.5 | 89.5 |
| GE 1200 | 2.7 | 28.8 | 37.4 | 54.3 | 72.1 | 79.0 | 85.4 | 88.1 | 90.0 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.3 | 91.3 |
| GE 1000 | 2.7 | 28.8 | 37.4 | 54.8 | 72.6 | 79.5 | 85.4 | 88.6 | 90.4 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.8 | 91.8 |
| GE 900 | 2.7 | 29.2 | 37.9 | 55.7 | 73.5 | 80.4 | 86.4 | 89.5 | 91.3 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.7 | 92.7 |
| GE 800 | 2.7 | 29.2 | 37.9 | 56.2 | 74.0 | 80.8 | 87.2 | 90.0 | 91.8 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 93.2 | 93.2 |
| GE 700 | 2.7 | 29.7 | 38.4 | 57.1 | 74.9 | 81.7 | 88.6 | 91.3 | 93.2 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.5 | 94.5 |
| GE 600 | 2.7 | 29.7 | 38.8 | 57.1 | 74.9 | 81.7 | 88.6 | 91.3 | 93.2 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.5 | 94.5 |
| GE 500 | 2.7 | 30.1 | 39.7 | 58.4 | 76.3 | 83.1 | 90.0 | 92.7 | 95.0 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.3 | 96.3 |
| GE 400 | 2.7 | 30.1 | 40.6 | 59.4 | 77.6 | 84.5 | 91.8 | 94.5 | 96.8 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.6 | 98.6 |
| GE 300 | 2.7 | 30.1 | 40.6 | 59.4 | 78.1 | 84.9 | 92.2 | 95.0 | 97.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 |
| GE 200 | 2.7 | 30.1 | 40.6 | 59.4 | 78.1 | 84.9 | 92.2 | 95.0 | 97.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 99.1 | 99.5 |
| GE 100 | 2.7 | 30.1 | 40.6 | 59.4 | 78.1 | 84.9 | 92.2 | 95.0 | 97.3 | 98.6 | 98.6 | 98.6 | 98.6 | 99.1 | 99.5 | 100.0 |
| GE 0 | 2.7 | 30.1 | 40.6 | 59.4 | 78.1 | 84.9 | 92.2 | 95.0 | 97.3 | 98.6 | 98.6 | 98.6 | 99.1 | 99.1 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 212

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722207 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 10.9 | 53.3 | 57.9 | 59.7 | 59.9 | 59.9 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| GE 20000 | 13.0 | 70.1 | 75.5 | 77.3 | 77.5 | 77.5 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 18000 | 13.0 | 70.1 | 75.5 | 77.3 | 77.5 | 77.5 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 16000 | 13.2 | 70.2 | 75.7 | 77.5 | 77.6 | 77.6 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 14000 | 13.2 | 70.9 | 76.3 | 78.1 | 78.3 | 78.3 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 12000 | 13.2 | 72.9 | 78.6 | 80.4 | 80.6 | 80.6 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 10000 | 13.8 | 76.5 | 82.6 | 84.4 | 84.5 | 84.5 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 9000 | 13.8 | 77.3 | 83.4 | 85.2 | 85.4 | 85.4 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 8000 | 14.0 | 78.5 | 84.7 | 86.7 | 87.0 | 87.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 7000 | 14.0 | 78.6 | 84.9 | 87.0 | 87.3 | 87.3 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 6000 | 14.0 | 78.9 | 85.2 | 87.3 | 87.7 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 5000 | 14.0 | 79.8 | 86.0 | 88.2 | 88.5 | 88.5 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 4500 | 14.1 | 80.8 | 87.0 | 89.3 | 89.6 | 89.6 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 4000 | 14.1 | 81.9 | 88.7 | 91.0 | 91.3 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 3500 | 14.5 | 83.4 | 90.1 | 92.4 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 3000 | 14.5 | 84.4 | 91.1 | 94.1 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 2500 | 14.5 | 85.4 | 92.1 | 95.1 | 95.9 | 95.9 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 2000 | 14.6 | 86.0 | 92.8 | 95.7 | 96.7 | 96.7 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1800 | 14.8 | 86.3 | 93.1 | 96.1 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1500 | 14.8 | 87.2 | 93.9 | 96.9 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 1200 | 14.8 | 87.5 | 94.2 | 97.2 | 98.2 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | 14.8 | 87.8 | 94.6 | 97.7 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 900 | 14.8 | 88.3 | 95.1 | 98.2 | 99.2 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 14.8 | 88.3 | 95.1 | 98.4 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 14.8 | 88.3 | 95.1 | 98.4 | 99.3 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 14.8 | 88.5 | 95.2 | 98.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 14.8 | 88.5 | 95.2 | 98.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 14.8 | 88.5 | 95.2 | 98.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 14.8 | 88.5 | 95.2 | 98.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 14.8 | 88.5 | 95.2 | 98.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 14.8 | 88.5 | 95.2 | 98.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 14.8 | 88.5 | 95.2 | 98.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 608

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | | GE 10 | GF 0 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GF 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 1 | 7.3 | 44.1 | 47.5 | 48.5 | 49.1 | 49.1 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | |
| GF 20000 | 11.0 | 63.5 | 67.8 | 68.9 | 69.4 | 69.4 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | |
| GE 18000 | 11.1 | 63.8 | 68.1 | 69.2 | 69.7 | 69.7 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | |
| GE 16000 | 11.4 | 64.1 | 68.4 | 69.5 | 70.1 | 70.1 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | |
| GE 14000 | 11.8 | 65.5 | 69.7 | 70.8 | 71.4 | 71.4 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | |
| GF 12000 | 12.0 | 69.2 | 73.5 | 74.6 | 75.1 | 75.1 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | |
| GE 10000 | 13.6 | 75.6 | 79.9 | 81.0 | 81.5 | 81.5 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | |
| GF 9000 | 13.6 | 76.1 | 80.5 | 81.6 | 82.2 | 82.2 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | |
| GF 8000 | 14.3 | 79.0 | 83.6 | 84.9 | 85.5 | 85.5 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | |
| GE 7000 | 14.3 | 79.2 | 83.8 | 85.1 | 85.7 | 85.7 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | |
| GE 6000 | 14.3 | 79.4 | 84.0 | 85.5 | 86.0 | 86.0 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | |
| GE 5000 | 14.3 | 80.7 | 85.6 | 87.1 | 87.7 | 87.7 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | |
| GF 4500 | 14.3 | 82.1 | 87.3 | 88.9 | 89.4 | 89.4 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | |
| GF 4000 | 14.5 | 83.5 | 89.1 | 90.6 | 91.2 | 91.2 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | |
| GF 3500 | 14.6 | 85.1 | 91.0 | 92.5 | 93.2 | 93.2 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | |
| GF 3000 | 14.7 | 86.7 | 92.6 | 94.4 | 95.5 | 95.5 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| GF 2500 | 15.0 | 87.8 | 94.1 | 95.7 | 96.8 | 96.8 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | |
| GF 2000 | 15.0 | 88.3 | 94.7 | 96.5 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | |
| GF 1800 | 15.0 | 88.6 | 94.9 | 96.7 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | |
| GF 1500 | 15.1 | 88.9 | 95.3 | 97.2 | 98.5 | 98.5 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | |
| GE 1200 | 15.1 | 89.1 | 95.5 | 97.5 | 98.7 | 98.7 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GF 1000 | 15.1 | 89.1 | 95.5 | 97.5 | 98.8 | 98.8 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GF 900 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GF 800 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GF 700 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GF 600 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GF 500 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GE 400 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GF 300 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GF 200 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GF 100 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |
| GF 0 | 15.1 | 89.2 | 95.6 | 97.6 | 98.9 | 98.9 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 959

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 7.9 | 46.3 | 49.8 | 51.0 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| GE 20000 | 12.4 | 62.7 | 66.6 | 67.9 | 69.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 18000 | 12.6 | 62.8 | 66.7 | 68.0 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 16000 | 12.7 | 62.9 | 66.8 | 68.1 | 68.9 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 14000 | 13.1 | 64.0 | 67.9 | 69.2 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 12000 | 13.4 | 66.5 | 70.4 | 71.7 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 10000 | 14.8 | 71.6 | 76.2 | 77.5 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 9000 | 14.8 | 72.2 | 77.0 | 78.3 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 8000 | 15.3 | 74.5 | 79.4 | 80.7 | 81.6 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 7000 | 15.4 | 74.9 | 80.1 | 81.4 | 82.3 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 6000 | 15.4 | 75.1 | 80.3 | 81.7 | 82.5 | 82.6 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 5000 | 15.6 | 76.6 | 82.1 | 83.4 | 84.3 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 4500 | 15.6 | 77.6 | 83.1 | 84.4 | 85.4 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 4000 | 15.9 | 80.6 | 86.1 | 87.7 | 88.8 | 88.9 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 3500 | 16.3 | 83.3 | 88.9 | 90.6 | 91.7 | 91.8 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 3000 | 16.6 | 87.2 | 93.1 | 94.9 | 96.2 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 2500 | 16.7 | 87.4 | 93.3 | 95.1 | 96.5 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2000 | 16.8 | 88.6 | 94.5 | 96.3 | 97.7 | 97.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1800 | 16.9 | 88.9 | 94.6 | 96.5 | 97.9 | 98.0 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1500 | 17.1 | 89.4 | 95.3 | 97.1 | 98.5 | 98.6 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1200 | 17.1 | 89.6 | 95.5 | 97.3 | 98.7 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1000 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 0 | 17.1 | 89.7 | 95.6 | 97.4 | 98.8 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 216

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GF 6 | GF 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GF 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 7.9 | 47.4 | 51.4 | 53.7 | 56.3 | 56.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | |
| GE 20000 | 4.8 | 54.5 | 58.6 | 61.3 | 64.2 | 64.3 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | |
| GF 18000 | 4.8 | 54.6 | 59.1 | 61.6 | 64.5 | 64.6 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | |
| GE 16000 | 4.8 | 55.2 | 59.5 | 61.9 | 64.8 | 64.9 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | |
| GE 14000 | 4.8 | 55.5 | 59.6 | 62.4 | 65.4 | 65.5 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | |
| GE 12000 | 5.1 | 59.0 | 63.4 | 66.0 | 69.1 | 69.2 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | |
| GF 10000 | 5.1 | 62.8 | 67.4 | 70.0 | 73.2 | 73.3 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | |
| GF 9000 | 5.1 | 63.0 | 67.7 | 70.3 | 73.5 | 73.7 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | |
| GE 8000 | 5.5 | 65.4 | 70.1 | 72.7 | 75.9 | 76.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | |
| GE 7000 | 5.5 | 65.4 | 70.1 | 72.7 | 75.9 | 76.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | |
| GF 6000 | 5.5 | 65.5 | 70.2 | 72.8 | 76.0 | 76.1 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | |
| GF 5000 | 5.6 | 66.0 | 70.8 | 73.3 | 76.6 | 76.7 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | |
| GE 4000 | 5.8 | 66.3 | 71.2 | 73.8 | 77.0 | 77.1 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | |
| GF 4000 | 6.1 | 67.1 | 72.3 | 74.8 | 78.1 | 78.2 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | |
| GE 3000 | 6.3 | 68.5 | 73.8 | 76.5 | 79.7 | 79.8 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | |
| GF 3000 | 6.7 | 71.8 | 77.2 | 80.1 | 83.3 | 83.4 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | |
| GF 2000 | 6.7 | 73.9 | 79.6 | 82.5 | 85.7 | 85.8 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | |
| GF 2000 | 6.8 | 76.3 | 82.3 | 85.4 | 88.6 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | |
| GE 1800 | 6.8 | 77.0 | 82.9 | 86.0 | 89.2 | 89.4 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | |
| GF 1500 | 6.9 | 79.9 | 85.6 | 88.9 | 92.2 | 92.3 | 92.8 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | |
| GF 1200 | 6.9 | 81.8 | 88.2 | 91.5 | 94.7 | 94.8 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | |
| GE 1000 | 6.9 | 83.4 | 90.2 | 93.5 | 97.2 | 97.4 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | |
| GE 900 | 6.9 | 83.8 | 90.5 | 94.0 | 97.7 | 97.9 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | |
| GF 800 | 6.9 | 84.1 | 90.9 | 94.4 | 98.2 | 98.4 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 700 | 6.9 | 84.1 | 91.0 | 94.5 | 98.3 | 98.5 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | |
| GF 600 | 6.9 | 84.1 | 91.0 | 94.7 | 98.6 | 98.8 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | |
| GF 500 | 6.9 | 84.1 | 91.0 | 94.7 | 98.7 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 400 | 6.9 | 84.1 | 91.0 | 94.7 | 98.7 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GF 300 | 6.9 | 84.1 | 91.0 | 94.7 | 98.7 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 6.9 | 84.1 | 91.0 | 94.7 | 98.7 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GF 100 | 6.9 | 84.1 | 91.0 | 94.7 | 98.7 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GF 0 | 6.9 | 84.1 | 91.0 | 94.7 | 98.7 | 98.9 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|-------|-------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 6.3 | 47.4 | 51.2 | 53.1 | 53.5 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 20000 | 9.7 | 59.2 | 63.0 | 65.3 | 66.0 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 18000 | 8.7 | 59.3 | 63.1 | 65.4 | 66.1 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 16000 | 9.0 | 59.5 | 63.3 | 65.7 | 66.3 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 14000 | 9.2 | 60.2 | 63.9 | 66.3 | 67.0 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 12000 | 9.7 | 63.6 | 67.4 | 69.8 | 70.4 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 10000 | 10.4 | 67.4 | 71.2 | 73.5 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 9000 | 10.4 | 68.0 | 71.8 | 74.2 | 74.8 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 8000 | 10.5 | 70.6 | 74.4 | 76.8 | 77.4 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 7000 | 10.5 | 70.8 | 74.7 | 77.1 | 77.8 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 6000 | 10.5 | 70.8 | 74.7 | 77.1 | 77.8 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 5000 | 10.5 | 71.1 | 75.1 | 77.4 | 78.1 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 4500 | 10.6 | 71.4 | 75.4 | 77.8 | 78.4 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 4000 | 11.3 | 73.7 | 77.9 | 80.6 | 81.2 | 81.3 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 3500 | 12.0 | 77.6 | 82.3 | 85.0 | 85.9 | 86.0 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 3000 | 13.0 | 84.7 | 89.8 | 92.6 | 93.6 | 93.7 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 2500 | 13.2 | 85.7 | 91.0 | 94.1 | 94.9 | 95.1 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 2000 | 13.3 | 87.0 | 92.3 | 95.5 | 96.3 | 96.5 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1800 | 13.3 | 87.0 | 92.3 | 95.5 | 96.3 | 96.5 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1600 | 13.3 | 87.6 | 93.1 | 96.2 | 97.1 | 97.5 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 1400 | 13.3 | 88.4 | 93.7 | 96.9 | 97.7 | 98.2 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 13.3 | 88.4 | 93.7 | 96.9 | 97.7 | 98.2 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1000 | 13.3 | 88.4 | 93.7 | 97.0 | 97.8 | 98.3 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 900 | 13.3 | 88.4 | 93.7 | 97.0 | 97.8 | 98.3 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 13.3 | 88.6 | 93.8 | 97.1 | 97.9 | 98.4 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 700 | 13.3 | 88.6 | 93.8 | 97.1 | 97.9 | 98.5 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 13.3 | 88.7 | 94.1 | 97.3 | 98.2 | 98.7 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 500 | 13.3 | 88.7 | 94.2 | 97.4 | 98.3 | 98.8 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 13.3 | 88.7 | 94.2 | 97.4 | 98.3 | 98.8 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 13.3 | 88.7 | 94.2 | 97.4 | 98.4 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 13.3 | 88.7 | 94.2 | 97.4 | 98.4 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 13.3 | 88.7 | 94.2 | 97.4 | 98.4 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 13.3 | 88.7 | 94.2 | 97.4 | 98.4 | 98.9 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 0600-0800

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 2.4 | 30.4 | 40.4 | 46.8 | 52.2 | 53.9 | 56.0 | 56.7 | 56.8 | 57.3 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| GE 20000 | 2.5 | 33.9 | 45.5 | 51.9 | 57.6 | 59.5 | 61.8 | 62.6 | 62.7 | 63.2 | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| GE 18000 | 2.7 | 34.1 | 45.7 | 52.2 | 57.8 | 59.7 | 62.0 | 62.8 | 62.9 | 63.4 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 16000 | 2.7 | 34.1 | 45.7 | 52.2 | 57.8 | 59.7 | 62.0 | 62.8 | 62.9 | 63.4 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 14000 | 2.7 | 34.2 | 46.1 | 52.6 | 58.3 | 60.1 | 62.6 | 63.3 | 63.4 | 64.0 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 12000 | 2.9 | 36.6 | 48.7 | 55.4 | 61.4 | 63.2 | 65.8 | 66.6 | 66.7 | 67.2 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 10000 | 3.0 | 38.9 | 52.3 | 59.8 | 66.0 | 67.8 | 70.5 | 71.3 | 71.4 | 71.9 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 9000 | 3.0 | 39.4 | 52.8 | 60.5 | 66.9 | 68.7 | 71.4 | 72.2 | 72.3 | 72.8 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 8000 | 3.1 | 41.6 | 55.1 | 63.3 | 69.7 | 71.6 | 74.3 | 75.1 | 75.2 | 75.7 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 7000 | 3.1 | 41.6 | 55.3 | 63.5 | 69.9 | 71.8 | 74.5 | 75.3 | 75.4 | 75.9 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 6000 | 3.2 | 41.9 | 55.6 | 63.9 | 70.2 | 72.2 | 74.8 | 75.6 | 75.7 | 76.2 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 5000 | 3.2 | 42.4 | 56.0 | 64.4 | 70.9 | 72.8 | 75.5 | 76.2 | 76.3 | 76.9 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 4000 | 3.5 | 42.8 | 56.5 | 64.8 | 71.3 | 73.2 | 75.9 | 76.7 | 76.8 | 77.3 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 3000 | 3.5 | 43.4 | 57.4 | 65.6 | 72.4 | 74.3 | 77.0 | 77.7 | 77.8 | 78.4 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 2000 | 3.5 | 43.9 | 58.3 | 66.7 | 73.2 | 75.2 | 77.8 | 78.6 | 78.7 | 79.2 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 1000 | 3.5 | 44.2 | 58.7 | 67.2 | 73.9 | 75.9 | 78.6 | 79.4 | 79.5 | 80.0 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 2500 | 3.7 | 44.5 | 59.1 | 67.8 | 74.7 | 76.8 | 79.5 | 80.2 | 80.3 | 80.9 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2000 | 3.7 | 45.3 | 60.1 | 68.8 | 75.8 | 77.8 | 80.5 | 81.3 | 81.4 | 81.9 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 1800 | 3.7 | 45.4 | 60.2 | 68.9 | 75.9 | 78.0 | 80.6 | 81.4 | 81.5 | 82.0 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 1600 | 3.9 | 46.8 | 61.7 | 70.8 | 77.8 | 79.9 | 82.6 | 83.3 | 83.4 | 84.2 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 1400 | 3.9 | 48.6 | 63.7 | 73.0 | 80.2 | 82.3 | 85.1 | 85.8 | 85.9 | 86.7 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 1000 | 4.0 | 50.4 | 65.6 | 75.3 | 82.6 | 85.1 | 88.0 | 88.7 | 88.8 | 89.7 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 900 | 4.0 | 51.7 | 67.2 | 76.8 | 84.1 | 86.6 | 89.5 | 90.2 | 90.3 | 91.2 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 800 | 4.0 | 52.6 | 68.4 | 78.1 | 85.4 | 87.8 | 90.8 | 91.5 | 91.6 | 92.5 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 700 | 4.0 | 53.3 | 69.5 | 79.2 | 86.7 | 89.1 | 92.2 | 92.9 | 93.0 | 93.9 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 600 | 4.0 | 54.5 | 71.0 | 80.9 | 88.4 | 91.2 | 94.2 | 94.9 | 95.1 | 95.9 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 500 | 4.0 | 54.8 | 71.6 | 81.5 | 89.1 | 91.4 | 95.1 | 96.0 | 96.2 | 97.1 | 97.5 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 |
| GE 400 | 4.0 | 54.8 | 72.0 | 81.9 | 89.6 | 92.6 | 95.7 | 96.8 | 97.0 | 97.8 | 98.3 | 98.4 | 98.5 | 98.6 | 98.7 | 98.7 |
| GE 300 | 4.0 | 54.8 | 72.0 | 81.9 | 89.7 | 92.7 | 95.8 | 96.9 | 97.1 | 98.2 | 98.7 | 98.9 | 99.0 | 99.1 | 99.2 | 99.5 |
| GE 200 | 4.0 | 54.8 | 72.0 | 81.9 | 89.7 | 92.8 | 95.9 | 97.0 | 97.2 | 98.3 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.8 |
| GE 100 | 4.0 | 54.8 | 72.0 | 81.9 | 89.7 | 92.8 | 95.9 | 97.0 | 97.2 | 98.3 | 99.0 | 99.2 | 99.4 | 99.5 | 99.7 | 100.0 |
| GE 0 | 4.0 | 54.8 | 72.0 | 81.9 | 89.7 | 92.8 | 95.9 | 97.0 | 97.2 | 98.3 | 99.0 | 99.2 | 99.4 | 99.5 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(IST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE U |
| NO CEIL | 1.0 | 22.0 | 32.6 | 41.7 | 50.9 | 54.6 | 58.7 | 59.2 | 59.6 | 60.1 | 61.0 | 61.5 | 61.9 | 61.9 | 61.9 |
| GE 20000 | 1.8 | 24.8 | 35.8 | 45.9 | 55.5 | 59.6 | 63.8 | 64.2 | 65.1 | 65.6 | 66.5 | 67.0 | 67.4 | 67.4 | 67.4 |
| GE 18000 | 2.3 | 25.2 | 36.2 | 46.3 | 56.0 | 60.1 | 64.2 | 64.7 | 65.6 | 66.1 | 67.0 | 67.4 | 67.9 | 67.9 | 67.9 |
| GE 16000 | 2.3 | 25.2 | 36.7 | 46.8 | 56.4 | 60.6 | 64.7 | 65.1 | 66.1 | 66.5 | 67.4 | 67.9 | 68.3 | 68.3 | 68.3 |
| GE 14000 | 2.3 | 25.2 | 37.2 | 47.2 | 56.9 | 61.0 | 65.1 | 65.6 | 66.5 | 67.0 | 67.9 | 68.3 | 68.8 | 68.8 | 68.8 |
| GE 12000 | 2.3 | 27.1 | 39.4 | 49.5 | 59.2 | 63.3 | 67.9 | 68.3 | 69.3 | 69.7 | 70.6 | 71.1 | 71.6 | 71.6 | 71.6 |
| GE 10000 | 2.3 | 28.0 | 40.8 | 50.9 | 61.0 | 65.1 | 69.7 | 70.2 | 71.1 | 71.6 | 72.5 | 72.9 | 73.4 | 73.4 | 73.4 |
| GE 9000 | 2.3 | 28.0 | 40.8 | 50.9 | 61.0 | 65.1 | 69.7 | 70.2 | 71.1 | 71.6 | 72.5 | 72.9 | 73.4 | 73.4 | 73.4 |
| GE 8000 | 2.3 | 30.7 | 44.0 | 55.0 | 65.1 | 69.7 | 74.3 | 74.8 | 75.7 | 76.1 | 77.1 | 77.5 | 78.0 | 78.0 | 78.0 |
| GE 7000 | 2.3 | 31.2 | 44.5 | 56.4 | 66.5 | 71.1 | 75.7 | 76.1 | 77.1 | 77.5 | 78.4 | 78.9 | 79.4 | 79.4 | 79.4 |
| GE 6000 | 2.3 | 31.2 | 44.5 | 56.9 | 67.0 | 71.6 | 76.1 | 76.6 | 77.5 | 78.0 | 78.9 | 79.4 | 79.8 | 79.8 | 79.8 |
| GE 5000 | 2.3 | 31.7 | 45.0 | 57.3 | 67.9 | 72.5 | 77.1 | 77.5 | 78.4 | 78.9 | 79.8 | 80.3 | 80.7 | 80.7 | 80.7 |
| GE 4500 | 2.3 | 31.7 | 45.0 | 57.3 | 67.9 | 72.5 | 77.1 | 77.5 | 78.4 | 78.9 | 79.8 | 80.3 | 80.7 | 80.7 | 80.7 |
| GE 4000 | 2.3 | 32.1 | 45.9 | 58.3 | 68.8 | 73.4 | 78.0 | 78.9 | 79.8 | 80.3 | 81.2 | 81.7 | 82.1 | 82.1 | 82.1 |
| GE 3500 | 2.3 | 32.6 | 46.8 | 59.2 | 69.7 | 74.3 | 78.9 | 79.8 | 80.7 | 81.2 | 82.1 | 82.6 | 83.0 | 83.0 | 83.0 |
| GE 3000 | 2.3 | 32.6 | 47.2 | 59.6 | 71.1 | 75.7 | 80.3 | 81.2 | 82.1 | 82.6 | 83.5 | 83.9 | 84.4 | 84.4 | 84.4 |
| GE 2500 | 2.3 | 32.6 | 47.2 | 59.6 | 71.1 | 75.7 | 80.3 | 81.2 | 82.1 | 82.6 | 83.5 | 83.9 | 84.4 | 84.4 | 84.4 |
| GE 2000 | 2.8 | 33.9 | 48.6 | 61.0 | 72.9 | 77.5 | 82.1 | 83.0 | 83.9 | 84.4 | 85.3 | 85.8 | 86.2 | 86.2 | 86.2 |
| GE 1800 | 2.8 | 33.9 | 48.6 | 61.0 | 72.9 | 77.5 | 82.1 | 83.0 | 83.9 | 84.4 | 85.3 | 85.8 | 86.2 | 86.2 | 86.2 |
| GE 1500 | 3.7 | 35.8 | 50.5 | 63.8 | 76.1 | 81.2 | 85.8 | 86.7 | 87.6 | 88.1 | 89.0 | 89.4 | 89.9 | 89.9 | 89.9 |
| GE 1200 | 3.7 | 35.8 | 50.5 | 63.8 | 76.1 | 81.2 | 85.8 | 86.7 | 87.6 | 88.1 | 89.0 | 89.4 | 89.9 | 89.9 | 89.9 |
| GE 1000 | 3.7 | 35.8 | 50.5 | 64.2 | 77.1 | 82.1 | 87.2 | 88.1 | 89.4 | 89.9 | 90.4 | 91.3 | 91.7 | 91.7 | 91.7 |
| GE 900 | 3.7 | 36.2 | 51.4 | 66.1 | 78.9 | 83.9 | 89.4 | 90.4 | 91.7 | 92.2 | 93.1 | 93.6 | 94.0 | 94.0 | 94.0 |
| GE 800 | 3.7 | 37.2 | 52.3 | 67.0 | 79.8 | 84.9 | 90.4 | 91.3 | 92.7 | 93.1 | 94.0 | 94.5 | 95.0 | 95.0 | 95.0 |
| GE 700 | 3.7 | 37.2 | 52.3 | 67.0 | 80.7 | 85.8 | 91.3 | 92.2 | 93.6 | 94.0 | 95.0 | 95.4 | 95.9 | 95.9 | 95.9 |
| GE 600 | 3.7 | 38.1 | 53.2 | 67.9 | 81.7 | 87.2 | 92.7 | 93.6 | 95.0 | 95.4 | 96.3 | 96.8 | 97.2 | 97.2 | 97.2 |
| GE 500 | 3.7 | 38.1 | 53.2 | 68.3 | 82.6 | 88.1 | 93.6 | 94.5 | 95.9 | 96.3 | 97.2 | 97.7 | 98.2 | 98.6 | 98.6 |
| GE 400 | 3.7 | 38.1 | 53.2 | 68.3 | 82.6 | 88.1 | 93.6 | 94.5 | 96.3 | 96.8 | 97.7 | 98.2 | 98.6 | 99.1 | 99.1 |
| GE 300 | 3.7 | 38.1 | 53.2 | 68.3 | 82.6 | 88.1 | 93.6 | 94.5 | 96.3 | 96.8 | 97.7 | 98.2 | 98.6 | 99.1 | 99.5 |
| GE 200 | 3.7 | 38.1 | 53.2 | 68.3 | 82.6 | 88.1 | 93.6 | 94.5 | 96.3 | 96.8 | 97.7 | 98.2 | 98.6 | 99.1 | 99.5 |
| GE 100 | 3.7 | 38.1 | 53.2 | 68.3 | 82.6 | 88.1 | 93.6 | 94.5 | 96.3 | 96.8 | 97.7 | 98.2 | 98.6 | 99.1 | 100.0 |
| GE 0 | 3.7 | 38.1 | 53.2 | 68.3 | 82.6 | 88.1 | 93.6 | 94.5 | 96.3 | 96.8 | 97.7 | 98.2 | 98.6 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 210

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 11.4 | 67.0 | 69.0 | 70.2 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 20000 | 15.1 | 81.2 | 83.6 | 84.9 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 18000 | 15.1 | 81.4 | 83.8 | 85.1 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 16000 | 15.1 | 81.4 | 83.8 | 85.1 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 14000 | 15.2 | 82.1 | 84.4 | 85.8 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 12000 | 15.6 | 83.4 | 85.8 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 10000 | 16.1 | 85.8 | 88.6 | 89.9 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 9000 | 16.1 | 86.4 | 89.3 | 90.6 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 8000 | 16.1 | 87.6 | 90.5 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 7000 | 16.1 | 87.8 | 90.6 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 6000 | 16.1 | 87.8 | 90.6 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 5000 | 16.2 | 88.6 | 91.6 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 4500 | 16.6 | 90.1 | 93.1 | 94.6 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 4000 | 16.9 | 92.0 | 95.0 | 96.5 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 3500 | 16.9 | 92.8 | 96.1 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 3000 | 17.1 | 94.0 | 97.3 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 2500 | 17.1 | 94.0 | 97.3 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 2000 | 17.1 | 94.0 | 97.3 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1800 | 17.1 | 94.0 | 97.3 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1500 | 17.1 | 94.1 | 97.5 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1200 | 17.3 | 94.5 | 97.8 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 17.3 | 94.5 | 97.8 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 17.3 | 94.5 | 97.8 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 17.3 | 94.5 | 97.8 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 17.3 | 94.5 | 97.8 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 17.3 | 94.6 | 98.0 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 17.3 | 94.6 | 98.0 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 17.3 | 94.6 | 98.0 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 17.3 | 94.6 | 98.0 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 17.3 | 94.6 | 98.0 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 17.3 | 94.6 | 98.0 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 17.3 | 94.6 | 98.0 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 547

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 12.1 | 59.7 | 61.4 | 62.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 20000 | 15.2 | 75.2 | 76.9 | 78.3 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 18000 | 15.2 | 76.0 | 77.7 | 79.1 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 16000 | 15.2 | 76.0 | 77.7 | 79.1 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 14000 | 15.4 | 77.3 | 79.0 | 80.5 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 12000 | 15.7 | 79.3 | 81.3 | 82.7 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 10000 | 15.6 | 84.0 | 86.0 | 87.4 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 9000 | 16.6 | 84.7 | 86.8 | 88.2 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 8000 | 16.9 | 87.5 | 89.6 | 91.0 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 7000 | 16.9 | 87.7 | 89.7 | 91.1 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 6000 | 16.9 | 87.8 | 89.9 | 91.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 5000 | 16.9 | 89.3 | 91.5 | 92.9 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 4500 | 16.9 | 90.9 | 93.2 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 4000 | 17.2 | 92.3 | 94.5 | 96.3 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 3500 | 17.2 | 93.0 | 95.4 | 97.2 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 3000 | 17.2 | 94.5 | 97.0 | 98.8 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2500 | 17.2 | 94.5 | 97.0 | 98.8 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2000 | 17.2 | 94.6 | 97.1 | 98.9 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1800 | 17.2 | 94.6 | 97.1 | 98.9 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1500 | 17.2 | 94.7 | 97.2 | 99.0 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 17.2 | 94.7 | 97.2 | 99.1 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|-------|-------|
| | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 |
| NO CEIL | 12.1 | 58.4 | 60.0 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 20000 | 15.6 | 74.1 | 75.9 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 18000 | 15.6 | 74.3 | 76.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 16000 | 15.6 | 74.3 | 76.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 14000 | 15.6 | 75.1 | 76.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 12000 | 16.3 | 76.2 | 78.0 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 10000 | 17.3 | 80.2 | 82.0 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 9000 | 17.3 | 81.1 | 82.9 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 8000 | 17.7 | 83.3 | 85.1 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| GE 7000 | 17.7 | 83.4 | 85.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 6000 | 17.7 | 83.5 | 85.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 5000 | 17.7 | 85.2 | 87.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 4500 | 17.7 | 85.6 | 87.4 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 4000 | 18.2 | 88.7 | 90.8 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 3500 | 18.2 | 90.2 | 92.6 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 3000 | 18.2 | 93.7 | 96.3 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 |
| GE 2500 | 18.2 | 94.1 | 96.6 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 |
| GE 2000 | 18.2 | 94.3 | 96.9 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| GE 1800 | 18.2 | 94.3 | 96.9 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| GE 1500 | 18.2 | 94.5 | 97.2 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 1200 | 18.3 | 94.6 | 97.3 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| GE 1000 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 900 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 800 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 700 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 600 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 500 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 400 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 300 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 200 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 100 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 0 | 18.4 | 94.7 | 97.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 11.1 | 58.4 | 59.4 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GE 20000 | 13.1 | 69.1 | 70.5 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 18000 | 13.1 | 69.4 | 70.7 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 16000 | 13.1 | 69.5 | 70.8 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 14000 | 13.1 | 70.1 | 71.5 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 12000 | 13.8 | 71.9 | 73.3 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 10000 | 14.6 | 75.8 | 77.2 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 9000 | 14.6 | 76.3 | 77.8 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 8000 | 14.7 | 78.3 | 80.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 7000 | 14.8 | 79.1 | 81.0 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 6000 | 14.8 | 79.2 | 81.4 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 5000 | 14.8 | 80.6 | 82.7 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 4500 | 14.8 | 81.5 | 83.6 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 4000 | 15.2 | 83.7 | 86.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 3500 | 15.5 | 86.5 | 88.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 3000 | 15.8 | 93.2 | 95.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 |
| GE 2500 | 15.8 | 93.7 | 96.2 | 98.2 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 |
| GE 2000 | 15.8 | 94.3 | 96.9 | 98.9 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 1800 | 15.8 | 94.3 | 96.9 | 98.9 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 1500 | 15.8 | 94.4 | 97.0 | 99.0 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 1200 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 1000 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 900 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 800 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 700 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 600 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 500 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 400 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 300 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 200 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 0 | 15.8 | 94.6 | 97.2 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 13.7 | | 53.7 | 56.9 | 58.5 | 59.7 | 59.2 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 20000 | 16.0 | | 63.4 | 67.3 | 69.4 | 69.8 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 18000 | 16.0 | | 63.4 | 67.3 | 69.4 | 69.8 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 16000 | 16.0 | | 63.4 | 67.3 | 69.4 | 69.8 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 14000 | 16.0 | | 63.9 | 67.7 | 69.8 | 70.2 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 12000 | 16.5 | | 65.4 | 67.5 | 71.8 | 72.3 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 10000 | 17.4 | | 69.1 | 73.5 | 75.9 | 76.3 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 9000 | 17.4 | | 70.0 | 74.4 | 76.8 | 77.2 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 8000 | 19.1 | | 72.8 | 77.2 | 79.6 | 80.0 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 7000 | 19.1 | | 73.3 | 77.7 | 80.1 | 80.5 | 80.9 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 6000 | 19.3 | | 74.0 | 78.4 | 80.8 | 81.2 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 5000 | 19.3 | | 74.6 | 79.0 | 81.4 | 81.8 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 4500 | 19.4 | | 74.9 | 79.4 | 81.7 | 82.2 | 82.5 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 4000 | 19.9 | | 77.0 | 81.7 | 84.2 | 84.7 | 85.1 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 3500 | 19.4 | | 81.2 | 86.0 | 88.5 | 89.2 | 89.7 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 3000 | 20.6 | | 86.9 | 92.0 | 94.5 | 95.4 | 95.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 2500 | 20.6 | | 87.4 | 92.6 | 95.1 | 95.9 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 2000 | 20.6 | | 87.8 | 93.1 | 95.6 | 96.5 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1800 | 20.6 | | 88.2 | 93.4 | 96.1 | 97.0 | 97.5 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1500 | 21.0 | | 88.7 | 94.1 | 97.0 | 97.8 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1200 | 21.2 | | 88.9 | 94.3 | 97.3 | 98.2 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1000 | 21.2 | | 89.2 | 94.6 | 97.6 | 98.5 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 900 | 21.2 | | 89.2 | 94.6 | 97.6 | 98.5 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 800 | 21.2 | | 89.2 | 94.6 | 97.6 | 98.6 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 700 | 21.2 | | 89.2 | 94.6 | 98.0 | 98.9 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 21.2 | | 89.2 | 94.6 | 98.1 | 99.0 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 21.2 | | 89.2 | 94.6 | 98.1 | 99.0 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 21.2 | | 89.2 | 94.6 | 98.1 | 99.0 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 21.2 | | 89.2 | 94.6 | 98.1 | 99.0 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 21.2 | | 89.2 | 94.6 | 98.1 | 99.0 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 21.2 | | 89.2 | 94.6 | 98.1 | 99.0 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 21.2 | | 89.2 | 94.6 | 98.1 | 99.0 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722765 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 15.5 | 44.7 | 53.3 | 54.4 | 54.9 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | | |
| GE 10000 | 16.8 | 63.2 | 69.6 | 70.0 | 70.6 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | | |
| GE 18000 | 16.9 | 63.5 | 68.9 | 70.4 | 71.1 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | | |
| GE 16000 | 16.9 | 63.5 | 68.9 | 70.4 | 71.1 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | | |
| GE 14000 | 17.1 | 64.3 | 69.7 | 71.4 | 72.0 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | | |
| GE 12000 | 17.7 | 66.7 | 72.0 | 74.0 | 74.6 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | | |
| GE 10000 | 18.6 | 71.9 | 77.5 | 79.6 | 80.3 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | | |
| GE 9000 | 18.6 | 72.7 | 78.3 | 80.3 | 81.1 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | | |
| GE 8000 | 19.2 | 75.5 | 81.1 | 83.1 | 84.0 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | | |
| GE 7000 | 19.2 | 75.6 | 81.3 | 83.3 | 84.2 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | | |
| GE 6000 | 19.6 | 76.5 | 82.2 | 84.2 | 85.1 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | | |
| GE 5000 | 19.6 | 76.8 | 82.5 | 84.6 | 85.5 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | | |
| GE 4000 | 19.9 | 77.5 | 83.3 | 85.5 | 86.3 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | | |
| GE 3000 | 20.2 | 78.9 | 84.9 | 87.1 | 88.3 | 88.6 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | | |
| GE 2500 | 20.8 | 82.6 | 88.6 | 90.9 | 92.5 | 92.8 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | | |
| GE 2000 | 21.1 | 85.1 | 91.6 | 94.0 | 95.9 | 96.2 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | | |
| GE 1800 | 21.1 | 85.6 | 92.3 | 94.7 | 96.9 | 97.2 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | | |
| GE 1600 | 21.3 | 86.2 | 93.0 | 95.6 | 97.7 | 98.1 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | | |
| GE 1400 | 21.3 | 86.2 | 93.2 | 95.9 | 98.1 | 98.4 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | | |
| GE 1200 | 21.3 | 86.6 | 93.5 | 96.2 | 98.4 | 98.7 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | | |
| GE 1000 | 21.3 | 86.7 | 93.7 | 96.3 | 98.5 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |
| GE 900 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 800 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 700 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 600 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 500 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 400 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 300 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 200 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 100 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |
| GE 0 | 21.3 | 86.9 | 93.9 | 96.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | | |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(IST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|-------|-------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 1 1/8 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| NO CEIL | 10.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2000 | 13.7 | 67.7 | 71.9 | 74.5 | 74.7 | 74.7 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 1800 | 13.7 | 67.6 | 72.0 | 74.6 | 74.8 | 74.8 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 1600 | 13.7 | 67.8 | 72.0 | 74.6 | 74.3 | 74.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 1400 | 13.9 | 68.4 | 72.6 | 75.1 | 75.3 | 75.3 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 1200 | 15.2 | 71.4 | 75.5 | 76.4 | 78.6 | 78.6 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 1000 | 16.3 | 77.3 | 82.0 | 84.6 | 85.6 | 85.6 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| GE 900 | 16.3 | 77.7 | 82.5 | 85.3 | 86.0 | 86.0 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 800 | 16.7 | 80.4 | 85.5 | 88.4 | 89.1 | 89.1 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 700 | 17.1 | 81.1 | 86.1 | 89.0 | 89.8 | 89.8 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 600 | 17.1 | 81.4 | 86.4 | 89.3 | 90.2 | 90.2 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 500 | 17.2 | 82.3 | 87.4 | 90.3 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 450 | 17.5 | 83.3 | 88.5 | 91.6 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 400 | 17.5 | 83.9 | 89.0 | 92.1 | 93.7 | 93.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 350 | 17.7 | 85.6 | 91.2 | 94.4 | 95.3 | 95.3 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 300 | 17.7 | 87.2 | 93.0 | 96.4 | 97.3 | 97.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 250 | 17.7 | 87.3 | 93.1 | 96.6 | 97.4 | 97.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 200 | 17.7 | 87.8 | 93.6 | 97.1 | 98.0 | 98.0 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 180 | 17.7 | 87.8 | 93.6 | 97.1 | 98.0 | 98.0 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 150 | 17.7 | 88.1 | 93.9 | 97.4 | 98.3 | 98.3 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 120 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 100 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 90 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 80 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 70 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 60 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 50 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 40 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 30 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 20 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 10 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 0 | 17.7 | 88.1 | 93.9 | 97.5 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(IST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| | GE 10 | GF 6 | GE 5 | GF 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 12.6 | 62.1 | 64.5 | 67.5 | 67.9 | 67.8 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | |
| GE 20000 | 14.1 | 75.2 | 78.6 | 82.2 | 82.6 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | |
| GE 18000 | 14.1 | 75.2 | 78.6 | 82.2 | 82.6 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | |
| GE 16000 | 14.1 | 75.2 | 78.6 | 82.2 | 82.6 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | |
| GE 14000 | 14.4 | 75.7 | 79.0 | 82.7 | 83.0 | 83.0 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | |
| GE 12000 | 14.6 | 76.3 | 79.7 | 83.5 | 83.9 | 83.8 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | |
| GE 10000 | 15.4 | 80.0 | 83.4 | 87.2 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | |
| GE 9000 | 15.4 | 80.3 | 83.7 | 87.5 | 87.9 | 87.8 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | |
| GE 8000 | 15.7 | 83.0 | 86.7 | 90.6 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | |
| GE 7000 | 16.0 | 83.4 | 87.0 | 90.9 | 91.5 | 91.5 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | |
| GE 6000 | 16.0 | 83.5 | 87.2 | 91.0 | 91.7 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | |
| GE 5000 | 16.0 | 84.0 | 88.0 | 91.8 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 4500 | 16.0 | 84.6 | 88.6 | 92.5 | 93.1 | 93.1 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | |
| GE 4000 | 16.0 | 85.8 | 89.9 | 93.6 | 94.6 | 94.9 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 3500 | 16.0 | 86.4 | 90.9 | 94.7 | 95.5 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | |
| GE 3000 | 16.0 | 87.4 | 91.8 | 95.7 | 96.8 | 97.1 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | |
| GE 2500 | 16.0 | 87.5 | 92.2 | 96.0 | 97.1 | 97.4 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | |
| GE 2000 | 16.0 | 88.3 | 93.1 | 97.0 | 98.1 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | |
| GE 1800 | 16.0 | 88.3 | 93.1 | 97.0 | 98.1 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | |
| GE 1600 | 16.0 | 88.5 | 93.3 | 97.1 | 98.2 | 98.6 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 1400 | 16.0 | 88.5 | 93.3 | 97.1 | 98.2 | 98.6 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 1200 | 16.0 | 88.6 | 93.4 | 97.3 | 98.6 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 1000 | 16.0 | 88.6 | 93.4 | 97.3 | 98.6 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 900 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 800 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 700 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 600 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 500 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 400 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 16.0 | 88.8 | 93.8 | 97.6 | 98.9 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 625

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76.78-84
MONTH: SEP HOURS(LST): 0300-0500

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1.4 | 34.0 | 45.8 | 51.4 | 54.2 | 56.6 | 60.8 | 61.8 | 62.3 | 63.7 | 63.7 | 64.2 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 20000 | 1.4 | 35.8 | 49.5 | 55.2 | 58.0 | 60.4 | 64.6 | 65.6 | 66.0 | 67.5 | 67.5 | 67.9 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 18000 | 1.4 | 35.8 | 49.5 | 55.2 | 58.0 | 60.4 | 64.6 | 65.6 | 66.0 | 67.5 | 67.5 | 67.9 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 16000 | 1.4 | 35.8 | 49.5 | 55.2 | 58.0 | 60.4 | 64.6 | 65.6 | 66.0 | 67.5 | 67.5 | 67.9 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 14000 | 1.4 | 35.8 | 49.5 | 55.2 | 58.0 | 60.4 | 64.6 | 65.6 | 66.0 | 67.5 | 67.5 | 67.9 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 12000 | 1.4 | 36.3 | 50.0 | 56.1 | 59.0 | 61.3 | 65.6 | 67.0 | 67.5 | 68.9 | 68.9 | 69.3 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 10000 | 1.4 | 38.7 | 52.8 | 59.9 | 63.2 | 65.6 | 69.8 | 71.2 | 71.7 | 73.1 | 73.1 | 73.6 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 9000 | 1.4 | 39.2 | 53.3 | 60.4 | 63.7 | 66.0 | 70.3 | 71.7 | 72.2 | 73.6 | 73.6 | 74.1 | 74.5 | 74.5 | 74.5 | 74.5 |
| GE 8000 | 1.4 | 41.5 | 56.1 | 63.2 | 66.5 | 68.9 | 73.1 | 75.0 | 75.5 | 76.9 | 76.9 | 77.4 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 7000 | 1.4 | 41.5 | 56.1 | 63.2 | 66.5 | 68.9 | 73.1 | 75.0 | 75.5 | 76.9 | 76.9 | 77.4 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 6000 | 1.4 | 42.0 | 56.6 | 63.7 | 67.0 | 69.3 | 73.6 | 75.5 | 75.9 | 77.4 | 77.4 | 77.8 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 5000 | 1.4 | 42.5 | 57.5 | 64.6 | 67.9 | 70.3 | 74.5 | 76.4 | 76.9 | 78.3 | 78.3 | 78.8 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 4500 | 1.4 | 42.5 | 57.5 | 64.6 | 67.9 | 70.3 | 74.5 | 76.4 | 76.9 | 78.3 | 78.3 | 78.8 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 4000 | 1.4 | 43.9 | 59.4 | 66.5 | 70.3 | 72.6 | 76.9 | 78.8 | 79.2 | 80.7 | 80.7 | 81.1 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 3500 | 1.4 | 44.3 | 60.4 | 67.5 | 71.2 | 73.6 | 77.8 | 79.7 | 80.2 | 81.6 | 81.6 | 82.1 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 3000 | 1.4 | 46.2 | 62.3 | 69.8 | 74.1 | 76.4 | 80.7 | 82.5 | 83.0 | 84.4 | 84.4 | 84.9 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 2500 | 1.4 | 46.2 | 63.2 | 70.8 | 75.0 | 77.4 | 81.6 | 83.5 | 84.0 | 85.4 | 85.4 | 85.8 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 2000 | 1.4 | 46.2 | 63.2 | 71.2 | 75.5 | 77.8 | 82.1 | 84.0 | 84.4 | 85.8 | 85.8 | 86.3 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 1800 | 1.4 | 46.7 | 63.7 | 71.7 | 75.9 | 78.3 | 82.5 | 84.4 | 84.9 | 86.3 | 86.3 | 86.8 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1500 | 1.9 | 48.1 | 65.6 | 73.6 | 77.8 | 80.2 | 84.4 | 86.3 | 86.8 | 88.2 | 88.2 | 88.7 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 1200 | 2.4 | 48.6 | 66.0 | 74.5 | 79.2 | 81.6 | 85.8 | 87.7 | 88.2 | 89.6 | 89.6 | 90.1 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 1000 | 2.4 | 49.1 | 67.0 | 75.5 | 80.2 | 83.0 | 87.3 | 89.2 | 89.6 | 91.0 | 91.0 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 900 | 2.4 | 49.5 | 67.5 | 75.9 | 81.6 | 84.4 | 88.7 | 90.6 | 91.0 | 92.5 | 92.5 | 92.9 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 800 | 2.4 | 49.5 | 67.5 | 75.9 | 82.1 | 84.9 | 89.2 | 91.0 | 91.5 | 92.9 | 92.9 | 93.4 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 700 | 2.4 | 50.5 | 68.4 | 76.9 | 83.0 | 85.8 | 90.1 | 92.0 | 92.5 | 93.9 | 93.9 | 94.3 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 600 | 2.4 | 50.5 | 68.9 | 77.4 | 83.5 | 86.3 | 90.6 | 92.5 | 92.9 | 94.3 | 94.3 | 94.8 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 500 | 2.4 | 50.5 | 69.8 | 78.8 | 85.4 | 88.2 | 92.5 | 94.8 | 95.3 | 96.7 | 96.7 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 400 | 2.4 | 50.9 | 70.3 | 79.2 | 86.3 | 89.2 | 93.9 | 96.2 | 96.7 | 98.1 | 98.1 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 300 | 2.4 | 50.9 | 70.3 | 79.2 | 86.3 | 89.2 | 93.9 | 96.2 | 96.7 | 98.1 | 98.1 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200 | 2.4 | 50.9 | 70.3 | 79.2 | 86.3 | 89.2 | 93.9 | 96.2 | 96.7 | 98.1 | 98.1 | 98.6 | 99.1 | 99.1 | 99.5 | 100.0 |
| GE 100 | 2.4 | 50.9 | 70.3 | 79.2 | 86.3 | 89.2 | 93.9 | 96.2 | 96.7 | 98.1 | 98.1 | 98.6 | 99.1 | 99.1 | 99.5 | 100.0 |
| GE 0 | 2.4 | 50.9 | 70.3 | 79.2 | 86.3 | 89.2 | 93.9 | 96.2 | 96.7 | 98.1 | 98.1 | 98.6 | 99.1 | 99.1 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 712

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 3.4 | 35.2 | 41.9 | 46.2 | 49.6 | 51.1 | 52.9 | 54.1 | 54.4 | 54.9 | 54.9 | 54.9 | 55.1 | 55.1 | 55.1 | 55.4 |
| GE 20000 | 3.4 | 37.2 | 44.2 | 48.9 | 52.8 | 54.4 | 56.4 | 57.7 | 58.0 | 58.4 | 58.4 | 58.4 | 58.7 | 58.7 | 58.7 | 59.1 |
| GE 18000 | 3.4 | 37.3 | 44.3 | 49.0 | 52.9 | 54.6 | 56.6 | 57.8 | 58.1 | 58.6 | 58.6 | 58.6 | 58.8 | 58.8 | 58.8 | 59.2 |
| GE 16000 | 3.4 | 37.3 | 44.4 | 49.1 | 53.0 | 54.7 | 56.7 | 57.9 | 58.2 | 58.7 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 59.3 |
| GE 14000 | 3.4 | 37.8 | 44.9 | 49.7 | 53.7 | 55.3 | 57.3 | 58.6 | 58.9 | 59.3 | 59.3 | 59.3 | 59.6 | 59.6 | 59.6 | 60.0 |
| GE 12000 | 3.6 | 39.1 | 46.4 | 51.6 | 55.7 | 57.3 | 59.4 | 60.7 | 61.0 | 61.6 | 61.6 | 61.6 | 61.8 | 61.8 | 61.8 | 62.2 |
| GE 10000 | 3.7 | 40.9 | 49.1 | 54.9 | 59.1 | 60.9 | 63.1 | 64.6 | 65.0 | 65.6 | 65.6 | 65.7 | 66.0 | 66.0 | 66.0 | 66.4 |
| GE 9000 | 3.7 | 41.3 | 49.7 | 55.4 | 59.9 | 61.8 | 64.1 | 65.7 | 66.1 | 66.7 | 66.7 | 66.8 | 67.1 | 67.1 | 67.1 | 67.6 |
| GE 8000 | 3.7 | 43.6 | 52.9 | 58.9 | 63.3 | 65.6 | 67.9 | 69.4 | 70.0 | 70.7 | 70.7 | 70.8 | 71.2 | 71.2 | 71.2 | 71.7 |
| GE 7000 | 3.7 | 43.6 | 52.9 | 59.1 | 63.8 | 66.0 | 68.3 | 69.9 | 70.4 | 71.1 | 71.1 | 71.2 | 71.7 | 71.7 | 71.7 | 72.1 |
| GE 6000 | 3.7 | 44.2 | 54.0 | 60.3 | 65.1 | 67.3 | 69.7 | 71.3 | 71.9 | 72.6 | 72.6 | 72.7 | 73.1 | 73.1 | 73.1 | 73.6 |
| GE 5000 | 3.7 | 44.8 | 54.9 | 61.3 | 66.2 | 68.4 | 70.8 | 72.4 | 73.0 | 73.7 | 73.7 | 73.8 | 74.2 | 74.2 | 74.2 | 74.7 |
| GE 4500 | 3.7 | 45.4 | 55.6 | 62.1 | 67.1 | 69.3 | 71.7 | 73.3 | 73.9 | 74.6 | 74.6 | 74.7 | 75.1 | 75.1 | 75.1 | 75.6 |
| GE 4000 | 3.7 | 45.9 | 56.4 | 63.0 | 68.2 | 70.4 | 72.8 | 74.4 | 75.0 | 75.7 | 75.7 | 75.8 | 76.2 | 76.2 | 76.2 | 76.7 |
| GE 3500 | 3.7 | 46.4 | 57.0 | 63.6 | 69.2 | 71.4 | 73.9 | 75.6 | 76.1 | 76.8 | 76.8 | 76.9 | 77.3 | 77.3 | 77.3 | 77.8 |
| GE 3000 | 3.8 | 47.2 | 57.9 | 64.7 | 70.2 | 72.4 | 75.0 | 76.7 | 77.2 | 77.9 | 77.9 | 78.0 | 78.4 | 78.4 | 78.4 | 78.9 |
| GE 2500 | 3.8 | 48.3 | 59.2 | 66.2 | 71.8 | 74.0 | 76.6 | 78.2 | 78.8 | 79.4 | 79.4 | 79.6 | 80.0 | 80.1 | 80.1 | 80.6 |
| GE 2000 | 3.8 | 49.6 | 60.6 | 67.6 | 73.1 | 75.3 | 77.9 | 79.6 | 80.1 | 80.8 | 80.8 | 80.9 | 81.3 | 81.4 | 81.4 | 81.9 |
| GE 1800 | 4.0 | 50.0 | 61.1 | 68.1 | 73.7 | 75.9 | 78.4 | 80.1 | 80.7 | 81.3 | 81.3 | 81.4 | 81.9 | 82.0 | 82.0 | 82.4 |
| GE 1600 | 4.0 | 51.1 | 62.3 | 69.4 | 75.0 | 77.2 | 79.9 | 81.6 | 82.1 | 82.8 | 82.8 | 82.9 | 83.3 | 83.4 | 83.4 | 83.9 |
| GE 1400 | 4.1 | 52.0 | 63.3 | 70.4 | 76.0 | 78.2 | 81.0 | 82.7 | 83.2 | 83.9 | 83.9 | 84.0 | 84.4 | 84.6 | 84.6 | 85.0 |
| GE 1200 | 4.1 | 53.0 | 64.9 | 72.1 | 77.9 | 80.1 | 82.9 | 84.9 | 85.4 | 86.1 | 86.1 | 86.2 | 86.7 | 86.8 | 86.8 | 87.2 |
| GE 1000 | 4.1 | 54.6 | 66.8 | 74.3 | 80.2 | 82.4 | 85.2 | 87.3 | 88.0 | 88.7 | 88.7 | 88.8 | 89.2 | 89.3 | 89.3 | 89.8 |
| GE 900 | 4.1 | 54.8 | 67.1 | 75.0 | 80.9 | 83.1 | 86.0 | 88.1 | 88.8 | 89.4 | 89.6 | 89.7 | 90.1 | 90.2 | 90.2 | 90.7 |
| GE 800 | 4.1 | 55.9 | 68.6 | 76.9 | 82.8 | 85.3 | 88.2 | 90.3 | 91.0 | 91.7 | 91.8 | 91.9 | 92.3 | 92.4 | 92.4 | 92.9 |
| GE 700 | 4.1 | 56.6 | 69.2 | 77.8 | 84.0 | 86.7 | 89.7 | 91.9 | 92.6 | 93.2 | 93.3 | 93.4 | 93.9 | 94.0 | 94.0 | 94.4 |
| GE 600 | 4.1 | 56.9 | 70.0 | 78.8 | 85.4 | 88.1 | 91.2 | 93.7 | 94.6 | 95.2 | 95.3 | 95.4 | 95.9 | 96.0 | 96.0 | 96.4 |
| GE 500 | 4.1 | 56.9 | 70.0 | 78.9 | 86.0 | 88.7 | 92.2 | 95.1 | 95.0 | 96.7 | 96.9 | 97.0 | 97.5 | 97.7 | 97.7 | 98.3 |
| GE 400 | 4.1 | 56.9 | 70.0 | 78.9 | 86.1 | 88.8 | 92.3 | 95.7 | 96.6 | 97.3 | 97.7 | 97.8 | 98.6 | 98.7 | 98.7 | 99.4 |
| GE 300 | 4.1 | 56.9 | 70.0 | 78.9 | 86.1 | 88.8 | 92.3 | 95.7 | 96.6 | 97.3 | 97.8 | 97.9 | 98.7 | 98.9 | 99.1 | 99.9 |
| GE 200 | 4.1 | 56.9 | 70.0 | 78.9 | 86.1 | 88.8 | 92.3 | 95.7 | 96.6 | 97.3 | 97.8 | 97.9 | 98.7 | 98.9 | 99.1 | 100.0 |
| GE 0 | 4.1 | 56.9 | 70.0 | 78.9 | 86.1 | 88.8 | 92.3 | 95.7 | 96.6 | 97.3 | 97.8 | 97.9 | 98.7 | 98.9 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|---|-----------------------------|------|------|------|------|-------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET | 1 | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | 2 1/2 | GE 2 | GF 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GF 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | 7.2 | 50.6 | 54.0 | 55.9 | 56.7 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 20000 | | 7.8 | 54.8 | 58.4 | 60.6 | 61.3 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GF 18000 | | 7.9 | 55.0 | 58.8 | 60.9 | 61.7 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| GE 16000 | | 7.9 | 55.2 | 59.0 | 61.2 | 62.0 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 14000 | | 8.0 | 55.3 | 59.1 | 61.3 | 62.1 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 12000 | | 8.1 | 57.2 | 61.3 | 63.6 | 64.3 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 10000 | | 8.8 | 61.2 | 66.0 | 68.4 | 69.6 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GF 9000 | | 9.9 | 61.7 | 66.6 | 69.0 | 70.2 | 70.4 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 8000 | | 9.2 | 64.2 | 69.6 | 72.1 | 73.3 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 7000 | | 9.2 | 64.4 | 69.9 | 72.4 | 73.7 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GF 6000 | | 9.3 | 65.0 | 70.7 | 73.2 | 74.4 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 5000 | | 9.3 | 65.7 | 71.3 | 73.9 | 75.1 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GF 4500 | | 9.6 | 66.1 | 72.1 | 74.8 | 76.0 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 4000 | | 9.8 | 67.2 | 73.4 | 76.2 | 77.4 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 3500 | | 10.4 | 68.4 | 74.7 | 77.6 | 78.8 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 3000 | | 10.9 | 70.4 | 76.7 | 79.6 | 80.8 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 2500 | | 10.9 | 73.0 | 79.7 | 82.7 | 83.9 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 2000 | | 11.1 | 75.0 | 81.8 | 84.9 | 86.1 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| GE 1900 | | 11.1 | 75.2 | 82.0 | 85.2 | 86.4 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 1500 | | 11.3 | 78.6 | 86.0 | 89.2 | 90.6 | 90.8 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 1200 | | 11.4 | 80.4 | 88.3 | 92.0 | 93.6 | 93.8 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GF 1000 | | 11.4 | 81.6 | 89.8 | 93.4 | 95.2 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 900 | | 11.4 | 82.0 | 90.7 | 94.3 | 96.3 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GF 800 | | 11.4 | 82.0 | 90.8 | 94.6 | 96.6 | 96.9 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GF 700 | | 11.7 | 82.2 | 91.0 | 94.8 | 96.8 | 97.1 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GF 600 | | 11.8 | 82.6 | 91.4 | 95.3 | 97.4 | 97.8 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500 | | 11.8 | 82.8 | 91.8 | 95.7 | 97.9 | 98.2 | 99.1 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GF 400 | | 11.8 | 82.8 | 91.8 | 95.8 | 98.1 | 98.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | | 11.8 | 82.8 | 91.8 | 95.8 | 98.1 | 98.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | | 11.8 | 82.8 | 91.8 | 95.8 | 98.1 | 98.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GF 100 | | 11.8 | 82.8 | 91.8 | 95.8 | 98.1 | 98.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GF 0 | | 11.8 | 82.8 | 91.8 | 95.8 | 98.1 | 98.4 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(IST): 1200-1400

| CEILING IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|------|----------|---------|---------|---------|---------|-------------|-----------------------------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | | | | | | | | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | 9.9 | 50.2 | 52.4 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| GE 20000 | 11.0 | 57.8 | 60.0 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| GE 18000 | 11.0 | 57.8 | 60.1 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 16000 | 11.0 | 57.9 | 60.2 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| GE 14000 | 11.6 | 58.9 | 61.6 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 12000 | 12.3 | 60.9 | 63.6 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 10000 | 13.2 | 64.7 | 67.3 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 9000 | 13.3 | 65.1 | 67.8 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 8000 | 13.9 | 69.1 | 72.3 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 7000 | 14.0 | 69.8 | 73.0 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 6000 | 14.6 | 70.3 | 73.6 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 5000 | 14.7 | 70.6 | 73.8 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 4500 | 14.7 | 71.0 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 4000 | 15.0 | 74.1 | 77.6 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 3500 | 15.6 | 78.8 | 82.3 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 3000 | 17.2 | 85.4 | 89.0 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 2500 | 17.6 | 87.2 | 90.9 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 2000 | 17.7 | 88.7 | 92.6 | 93.7 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 1800 | 17.7 | 88.9 | 92.9 | 94.0 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 1500 | 17.7 | 89.6 | 93.9 | 95.0 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 1200 | 17.7 | 90.0 | 94.1 | 95.3 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1000 | 17.8 | 90.7 | 94.9 | 96.2 | 96.9 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 900 | 18.0 | 91.1 | 95.3 | 96.7 | 97.3 | 97.4 | 97.8 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 800 | 18.1 | 91.4 | 95.7 | 97.1 | 98.2 | 98.3 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 700 | 18.1 | 91.4 | 95.7 | 97.2 | 98.3 | 98.4 | 98.9 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 600 | 18.1 | 91.4 | 95.7 | 97.2 | 98.4 | 98.6 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 18.1 | 91.6 | 95.9 | 97.4 | 98.8 | 99.0 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 18.1 | 91.6 | 95.9 | 97.4 | 98.8 | 99.0 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 18.1 | 91.6 | 95.9 | 97.4 | 98.8 | 99.0 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 18.1 | 91.6 | 95.9 | 97.4 | 98.8 | 99.0 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 18.1 | 91.6 | 95.9 | 97.4 | 98.8 | 99.0 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 18.1 | 91.6 | 95.9 | 97.4 | 98.8 | 99.0 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 1500-1700

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 11.8 | 52.3 | 54.3 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| GE 20000 | 14.7 | 63.4 | 65.7 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 18000 | 14.8 | 63.8 | 66.0 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 16000 | 14.8 | 63.8 | 66.0 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 14000 | 14.9 | 64.9 | 67.3 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 12000 | 15.4 | 68.2 | 70.9 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 10000 | 16.4 | 71.9 | 74.6 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 9000 | 16.4 | 72.2 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 8000 | 16.9 | 78.2 | 81.3 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 7000 | 16.9 | 78.6 | 81.7 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 6000 | 17.0 | 79.0 | 82.1 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 5000 | 17.3 | 80.0 | 83.2 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 4500 | 17.4 | 80.7 | 83.9 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 4000 | 18.1 | 83.1 | 86.3 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 3500 | 18.6 | 85.0 | 88.4 | 89.3 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 3000 | 19.1 | 88.7 | 92.3 | 93.3 | 93.6 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 2500 | 19.7 | 89.8 | 93.4 | 94.6 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 2000 | 19.7 | 90.1 | 94.0 | 95.1 | 95.4 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 1800 | 19.7 | 90.2 | 94.1 | 95.2 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 1500 | 19.9 | 91.0 | 94.9 | 96.0 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1200 | 20.1 | 91.6 | 95.4 | 96.6 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1000 | 20.2 | 92.2 | 96.1 | 97.2 | 97.9 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 900 | 20.3 | 92.7 | 96.6 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 800 | 20.3 | 92.8 | 96.7 | 97.8 | 98.6 | 98.7 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 700 | 20.3 | 92.9 | 96.8 | 97.9 | 98.7 | 98.8 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 20.3 | 93.0 | 97.0 | 98.1 | 98.9 | 99.0 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 20.3 | 93.0 | 97.2 | 98.3 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 20.3 | 93.0 | 97.2 | 98.3 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 300 | 20.3 | 93.0 | 97.2 | 98.3 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 200 | 20.3 | 93.0 | 97.2 | 98.3 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 100 | 20.3 | 93.0 | 97.2 | 98.3 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 0 | 20.3 | 93.0 | 97.2 | 98.3 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(IST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|-------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 8.6 | 54.8 | 58.6 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | |
| GE 20000 | 10.6 | 64.5 | 68.6 | 69.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | |
| GE 18000 | 10.6 | 64.5 | 68.6 | 69.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | |
| GE 16000 | 10.6 | 64.5 | 68.6 | 69.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | |
| GE 14000 | 10.6 | 65.1 | 69.2 | 69.9 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | |
| GE 12000 | 11.1 | 68.5 | 72.7 | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | |
| GE 10000 | 12.0 | 73.5 | 78.3 | 79.2 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | |
| GE 9000 | 12.0 | 74.2 | 79.1 | 80.0 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | |
| GE 8000 | 12.6 | 78.5 | 83.4 | 84.5 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | |
| GE 7000 | 12.8 | 79.1 | 84.0 | 85.1 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | |
| GE 6000 | 13.0 | 79.9 | 84.8 | 85.9 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | |
| GE 5000 | 13.5 | 81.1 | 86.0 | 87.1 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | |
| GE 4500 | 13.7 | 82.2 | 87.1 | 88.2 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | |
| GE 4000 | 13.9 | 83.4 | 88.3 | 89.4 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | |
| GE 3500 | 14.1 | 84.5 | 89.5 | 91.1 | 91.4 | 91.4 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | |
| GE 3000 | 14.2 | 86.2 | 91.3 | 92.9 | 93.3 | 93.3 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | |
| GE 2500 | 14.2 | 87.1 | 92.2 | 93.8 | 94.2 | 94.2 | 94.5 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | |
| GE 2000 | 14.2 | 87.9 | 93.2 | 94.8 | 95.2 | 95.2 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | |
| GE 1800 | 14.2 | 88.1 | 93.4 | 95.0 | 95.8 | 95.8 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | |
| GE 1600 | 14.2 | 88.4 | 93.8 | 95.3 | 96.1 | 96.1 | 96.4 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | |
| GE 1400 | 14.2 | 88.8 | 94.1 | 95.8 | 96.6 | 96.6 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | |
| GE 1200 | 14.2 | 89.2 | 94.7 | 96.7 | 97.4 | 97.4 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | |
| GE 1000 | 14.2 | 89.2 | 94.8 | 96.9 | 97.7 | 97.7 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | |
| GE 900 | 14.2 | 89.2 | 94.9 | 97.0 | 97.8 | 97.8 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | |
| GE 800 | 14.2 | 89.3 | 95.0 | 97.1 | 98.0 | 98.0 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | |
| GE 700 | 14.2 | 89.5 | 95.2 | 97.6 | 98.4 | 98.4 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 600 | 14.2 | 89.5 | 95.2 | 97.6 | 98.6 | 98.6 | 99.2 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| GE 500 | 14.2 | 89.5 | 95.2 | 97.6 | 98.6 | 98.6 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 400 | 14.2 | 89.5 | 95.2 | 97.6 | 98.6 | 98.6 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 300 | 14.2 | 89.5 | 95.2 | 97.6 | 98.6 | 98.6 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 200 | 14.2 | 89.5 | 95.2 | 97.6 | 98.6 | 98.6 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 100 | 14.2 | 89.5 | 95.2 | 97.6 | 98.6 | 98.6 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
| GE 0 | 14.2 | 89.5 | 95.2 | 97.6 | 98.6 | 98.6 | 99.4 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 999

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(IST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| | GE 1 | GE 1 1/2 | GE 2 | GE 2 1/2 | GE 3 | GE 3 1/2 | GE 4 | GE 4 1/2 | GE 5 | GE 5 1/2 | GE 6 | GE 6 1/2 | GE 7 | GE 7 1/2 | GE 8 | GE 8 1/2 |
| NO CEIL | 8.3 | 62.1 | 66.0 | 66.0 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 20000 | 8.9 | 70.2 | 74.4 | 74.7 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 18000 | 8.9 | 70.2 | 74.4 | 74.7 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 16000 | 8.9 | 70.2 | 74.4 | 74.7 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 14000 | 8.9 | 70.6 | 75.0 | 75.4 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 12000 | 9.4 | 73.7 | 78.3 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 10000 | 9.8 | 77.9 | 82.8 | 83.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 9000 | 9.8 | 79.0 | 84.0 | 84.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 8000 | 10.4 | 82.0 | 86.9 | 87.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 7000 | 10.4 | 82.0 | 86.9 | 87.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 6000 | 10.4 | 82.3 | 87.3 | 87.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 5000 | 11.1 | 83.6 | 88.6 | 89.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 4500 | 11.1 | 84.5 | 89.4 | 90.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 4000 | 11.4 | 85.5 | 90.4 | 91.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 3500 | 11.4 | 86.6 | 91.7 | 92.7 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 3000 | 11.4 | 86.6 | 91.7 | 92.7 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 2500 | 11.4 | 87.1 | 92.2 | 93.2 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 2000 | 11.4 | 87.8 | 93.1 | 94.2 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 1800 | 11.4 | 87.8 | 93.1 | 94.2 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 1500 | 11.4 | 87.8 | 93.2 | 94.4 | 95.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 1200 | 11.4 | 88.1 | 93.6 | 94.7 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 1000 | 11.4 | 88.9 | 94.5 | 95.9 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 900 | 11.4 | 88.9 | 94.7 | 96.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 800 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 700 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 600 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 500 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 400 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 300 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 200 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 100 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 0 | 11.4 | 89.4 | 95.2 | 96.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |

TOTAL NUMBER OF OBSERVATIONS: 405

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 76-84
MONTH: OCT HOURS(IST): 0300-0500

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 13.4 | 51.0 | 58.2 | 61.3 | 61.3 | 62.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.9 | 63.9 | 63.9 | 64.4 | |
| GE 20000 | 13.9 | 54.1 | 61.3 | 64.4 | 64.4 | 65.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 67.0 | 67.0 | 67.0 | 67.5 | |
| GE 18000 | 13.9 | 54.1 | 61.3 | 64.4 | 64.4 | 65.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 67.0 | 67.0 | 67.0 | 67.5 | |
| GE 16000 | 13.9 | 54.1 | 61.3 | 64.4 | 64.4 | 65.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 67.0 | 67.0 | 67.0 | 67.5 | |
| GE 14000 | 13.9 | 54.1 | 61.3 | 64.4 | 64.4 | 65.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 67.0 | 67.0 | 67.0 | 67.5 | |
| GE 12000 | 13.9 | 54.6 | 61.9 | 65.5 | 65.5 | 66.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 68.0 | 68.0 | 68.0 | 68.6 | |
| GE 10000 | 13.9 | 54.6 | 62.9 | 67.0 | 67.0 | 68.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.6 | 69.6 | 69.6 | 70.1 | |
| GE 9000 | 13.9 | 55.7 | 63.9 | 68.0 | 68.0 | 69.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.6 | 70.6 | 70.6 | 71.1 | |
| GE 8000 | 13.9 | 57.2 | 67.0 | 71.1 | 71.1 | 72.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.7 | 73.7 | 73.7 | 74.2 | |
| GE 7000 | 13.9 | 57.2 | 67.0 | 71.6 | 71.6 | 72.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 74.2 | 74.2 | 74.2 | 74.7 | |
| GE 6000 | 13.9 | 57.7 | 67.5 | 72.2 | 72.2 | 73.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.7 | 74.7 | 74.7 | 75.3 | |
| GE 5000 | 13.9 | 59.3 | 69.6 | 74.2 | 74.2 | 75.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.8 | 76.8 | 76.8 | 77.3 | |
| GE 4500 | 13.9 | 59.8 | 70.1 | 75.3 | 75.3 | 76.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.8 | 77.8 | 77.8 | 78.4 | |
| GE 4000 | 13.9 | 60.3 | 70.6 | 75.8 | 75.8 | 76.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 78.4 | 78.4 | 78.4 | 78.9 | |
| GE 3500 | 13.9 | 60.3 | 70.6 | 75.8 | 75.8 | 76.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 78.4 | 78.4 | 78.4 | 78.9 | |
| GE 3000 | 13.9 | 60.8 | 71.6 | 76.8 | 76.8 | 77.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 79.4 | 79.4 | 79.4 | 79.9 | |
| GE 2500 | 14.4 | 62.9 | 74.7 | 79.9 | 79.9 | 80.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.5 | 82.5 | 82.5 | 83.0 | |
| GE 2000 | 14.9 | 64.4 | 76.8 | 82.5 | 82.5 | 84.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.6 | 85.6 | 85.6 | 86.1 | |
| GE 1800 | 14.9 | 64.4 | 76.8 | 82.5 | 82.5 | 84.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.6 | 85.6 | 85.6 | 86.1 | |
| GE 1500 | 14.9 | 66.0 | 78.9 | 84.5 | 84.5 | 86.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.6 | 87.6 | 87.6 | 88.1 | |
| GE 1200 | 14.9 | 67.0 | 80.4 | 86.1 | 86.6 | 88.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.7 | 89.7 | 89.7 | 90.2 | |
| GE 1000 | 14.9 | 67.5 | 80.9 | 86.6 | 87.6 | 89.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.7 | 90.7 | 90.7 | 91.2 | |
| GE 900 | 14.9 | 68.0 | 82.0 | 87.6 | 88.7 | 90.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.8 | 91.8 | 91.8 | 92.3 | |
| GE 800 | 14.9 | 68.0 | 82.5 | 88.1 | 89.2 | 90.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 92.3 | 92.3 | 92.3 | 92.8 | |
| GE 700 | 14.9 | 68.0 | 82.5 | 88.1 | 89.7 | 91.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.8 | 92.8 | 92.8 | 93.3 | |
| GE 600 | 14.9 | 68.6 | 83.5 | 89.2 | 91.2 | 92.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.4 | 95.4 | 95.4 | 95.9 | |
| GE 500 | 14.9 | 68.6 | 83.5 | 89.2 | 91.2 | 92.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.4 | 95.4 | 95.4 | 95.9 | |
| GE 400 | 14.9 | 68.6 | 83.5 | 89.2 | 91.8 | 93.3 | 95.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.4 | 96.4 | 96.4 | 96.9 | |
| GE 300 | 14.9 | 68.6 | 83.5 | 89.2 | 92.3 | 93.8 | 95.9 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.9 | 96.9 | 96.9 | 97.4 | |
| GE 200 | 14.9 | 68.6 | 83.5 | 89.2 | 92.3 | 93.8 | 95.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.9 | 97.9 | 97.9 | 98.4 | |
| GE 100 | 14.9 | 68.6 | 83.5 | 89.2 | 92.3 | 93.8 | 95.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.9 | 97.9 | 97.9 | 98.4 | |
| GE 0 | 14.9 | 68.6 | 83.5 | 89.2 | 92.3 | 93.8 | 95.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.9 | 97.9 | 97.9 | 98.4 | |

TOTAL NUMBER OF OBSERVATIONS: 194

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 10.2 | 43.7 | 49.5 | 53.2 | 56.2 | 57.3 | 59.0 | 60.1 | 63.3 | 60.8 | 61.1 | 61.1 | 61.7 | 61.7 | 61.7 | 61.8 |
| GE 20000 | 10.3 | 46.6 | 52.8 | 56.9 | 59.9 | 61.0 | 62.9 | 63.9 | 64.2 | 64.6 | 64.9 | 64.9 | 65.6 | 65.6 | 65.6 | 65.7 |
| GE 18000 | 10.3 | 46.6 | 52.8 | 56.9 | 60.0 | 61.1 | 63.0 | 64.1 | 64.3 | 64.7 | 65.0 | 65.0 | 65.7 | 65.7 | 65.7 | 65.8 |
| GE 16000 | 10.3 | 46.6 | 52.8 | 56.9 | 60.0 | 61.1 | 63.0 | 64.1 | 64.3 | 64.7 | 65.0 | 65.0 | 65.7 | 65.7 | 65.7 | 65.8 |
| GE 14000 | 10.3 | 46.6 | 52.8 | 56.9 | 60.0 | 61.1 | 63.0 | 64.1 | 64.3 | 64.7 | 65.0 | 65.0 | 65.7 | 65.7 | 65.7 | 65.8 |
| GE 12000 | 10.5 | 47.2 | 53.4 | 57.4 | 60.6 | 61.7 | 63.5 | 64.6 | 64.8 | 65.3 | 65.6 | 65.6 | 66.2 | 66.2 | 66.2 | 66.3 |
| GE 10000 | 10.5 | 48.5 | 54.7 | 58.8 | 62.1 | 63.2 | 65.0 | 66.1 | 66.3 | 66.8 | 67.1 | 67.1 | 67.8 | 67.8 | 67.8 | 67.9 |
| GE 9000 | 10.5 | 49.0 | 55.3 | 59.5 | 62.7 | 63.8 | 65.7 | 66.8 | 67.0 | 67.4 | 67.8 | 67.8 | 68.4 | 68.4 | 68.4 | 68.5 |
| GE 8000 | 10.6 | 51.1 | 57.6 | 61.8 | 65.1 | 66.3 | 68.2 | 69.5 | 69.7 | 70.2 | 70.5 | 70.5 | 71.1 | 71.1 | 71.1 | 71.2 |
| GE 7000 | 10.6 | 51.1 | 57.6 | 61.9 | 65.3 | 66.4 | 68.3 | 69.6 | 69.8 | 70.3 | 70.6 | 70.6 | 71.2 | 71.2 | 71.2 | 71.4 |
| GE 6000 | 10.6 | 51.9 | 58.4 | 62.7 | 66.3 | 67.5 | 69.4 | 70.8 | 71.0 | 71.5 | 71.8 | 71.8 | 72.4 | 72.4 | 72.4 | 72.5 |
| GE 5000 | 10.8 | 53.4 | 60.0 | 64.4 | 68.3 | 69.5 | 71.4 | 72.8 | 73.0 | 73.4 | 73.7 | 73.7 | 74.4 | 74.4 | 74.4 | 74.5 |
| GE 4500 | 10.8 | 53.5 | 60.3 | 64.7 | 68.6 | 69.8 | 71.9 | 73.3 | 73.5 | 74.0 | 74.3 | 74.3 | 74.9 | 74.9 | 74.9 | 75.1 |
| GE 4000 | 10.8 | 54.0 | 60.9 | 65.3 | 69.2 | 70.5 | 72.5 | 74.0 | 74.2 | 74.6 | 74.9 | 74.9 | 75.6 | 75.6 | 75.6 | 75.7 |
| GE 3500 | 10.8 | 54.4 | 61.3 | 65.7 | 69.6 | 70.9 | 73.0 | 74.5 | 74.7 | 75.2 | 75.5 | 75.5 | 76.1 | 76.1 | 76.1 | 76.3 |
| GE 3000 | 10.9 | 55.2 | 62.2 | 66.6 | 70.5 | 71.8 | 74.0 | 75.5 | 75.7 | 76.1 | 76.5 | 76.5 | 77.2 | 77.2 | 77.2 | 77.3 |
| GE 2500 | 10.9 | 56.5 | 63.8 | 68.3 | 72.3 | 73.6 | 75.8 | 77.3 | 77.6 | 78.0 | 78.3 | 78.3 | 79.1 | 79.1 | 79.1 | 79.2 |
| GE 2000 | 11.2 | 58.4 | 65.9 | 70.5 | 74.9 | 76.3 | 78.4 | 80.1 | 80.3 | 80.7 | 81.0 | 81.0 | 81.8 | 81.8 | 81.8 | 81.9 |
| GE 1800 | 11.2 | 59.2 | 66.7 | 71.2 | 75.6 | 77.0 | 79.2 | 80.8 | 81.0 | 81.5 | 81.8 | 81.8 | 82.6 | 82.6 | 82.6 | 82.7 |
| GE 1600 | 11.3 | 60.5 | 68.5 | 73.3 | 77.9 | 79.3 | 81.5 | 83.1 | 83.3 | 83.8 | 84.1 | 84.1 | 84.9 | 84.9 | 84.9 | 85.0 |
| GE 1400 | 11.4 | 62.4 | 70.7 | 75.6 | 80.5 | 81.9 | 84.3 | 85.9 | 86.2 | 86.6 | 86.9 | 86.9 | 87.7 | 87.7 | 87.7 | 87.8 |
| GE 1000 | 11.4 | 63.9 | 72.4 | 77.3 | 82.5 | 83.9 | 86.3 | 87.9 | 88.1 | 88.6 | 88.9 | 88.9 | 89.7 | 89.7 | 89.7 | 89.8 |
| GE 900 | 11.4 | 64.8 | 73.5 | 78.4 | 83.6 | 85.0 | 87.5 | 89.1 | 89.3 | 89.8 | 90.1 | 90.1 | 90.8 | 90.8 | 90.8 | 91.0 |
| GE 800 | 11.4 | 65.6 | 74.7 | 80.2 | 85.4 | 86.9 | 89.7 | 91.4 | 91.6 | 92.0 | 92.4 | 92.4 | 93.1 | 93.1 | 93.1 | 93.2 |
| GE 700 | 11.4 | 65.7 | 75.2 | 80.8 | 86.4 | 88.0 | 90.7 | 92.6 | 92.8 | 93.2 | 93.6 | 93.6 | 94.3 | 94.3 | 94.3 | 94.4 |
| GE 600 | 11.4 | 66.1 | 75.7 | 81.6 | 87.3 | 88.9 | 91.8 | 93.8 | 94.0 | 94.4 | 94.8 | 94.8 | 95.6 | 95.6 | 95.6 | 95.8 |
| GE 500 | 11.4 | 66.7 | 76.3 | 82.1 | 88.0 | 89.7 | 92.9 | 94.9 | 95.1 | 95.5 | 95.9 | 95.9 | 96.7 | 96.7 | 96.7 | 96.8 |
| GE 400 | 11.4 | 66.7 | 76.3 | 82.1 | 88.2 | 89.9 | 93.7 | 95.6 | 96.0 | 96.5 | 96.8 | 96.8 | 97.8 | 97.8 | 97.8 | 97.9 |
| GE 300 | 11.4 | 66.7 | 76.4 | 82.2 | 88.3 | 90.0 | 93.8 | 96.0 | 96.4 | 96.9 | 97.3 | 97.4 | 98.6 | 98.6 | 98.6 | 98.8 |
| GE 200 | 11.4 | 66.7 | 76.4 | 82.2 | 88.3 | 90.0 | 93.8 | 96.0 | 96.4 | 97.1 | 97.7 | 97.9 | 99.1 | 99.1 | 99.1 | 99.5 |
| GE 100 | 11.4 | 66.7 | 76.4 | 82.2 | 88.3 | 90.0 | 93.8 | 96.0 | 96.4 | 97.2 | 97.8 | 98.0 | 99.3 | 99.3 | 99.3 | 99.8 |
| GE 0 | 11.4 | 66.7 | 76.4 | 82.2 | 88.3 | 90.0 | 93.8 | 96.0 | 96.4 | 97.2 | 97.8 | 98.0 | 99.3 | 99.3 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | 1 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | 50 |
| NO CEIL | 14.8 | 59.1 | 61.5 | 62.5 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 20000 | 15.2 | 63.9 | 66.2 | 67.2 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| GE 18000 | 15.2 | 64.0 | 66.3 | 67.3 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 16000 | 15.2 | 64.2 | 66.6 | 67.5 | 67.9 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 14000 | 15.2 | 64.2 | 66.6 | 67.5 | 67.9 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 12000 | 15.2 | 64.6 | 67.2 | 68.2 | 68.5 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| GE 10000 | 15.2 | 67.1 | 69.5 | 70.4 | 70.8 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 9000 | 15.2 | 67.4 | 69.8 | 70.8 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 8000 | 15.2 | 69.1 | 71.7 | 72.7 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 7000 | 15.2 | 69.4 | 72.0 | 72.9 | 73.2 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 6000 | 15.2 | 69.8 | 72.5 | 73.7 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 5000 | 15.2 | 71.1 | 73.8 | 75.0 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 4500 | 15.4 | 71.4 | 74.1 | 75.3 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 4000 | 15.4 | 72.4 | 75.1 | 76.3 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 3500 | 15.4 | 72.8 | 75.6 | 76.8 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 3000 | 15.6 | 74.5 | 77.6 | 78.7 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 2500 | 15.7 | 76.7 | 79.7 | 81.0 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 2000 | 15.9 | 78.4 | 81.6 | 82.8 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 1800 | 16.0 | 79.8 | 83.0 | 84.3 | 84.6 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 1500 | 16.2 | 82.4 | 85.7 | 87.1 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 1200 | 16.2 | 84.3 | 87.7 | 89.2 | 90.0 | 90.3 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 1000 | 16.2 | 86.0 | 90.1 | 91.8 | 92.6 | 93.0 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 900 | 16.2 | 87.1 | 91.2 | 93.1 | 94.1 | 94.5 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 800 | 16.2 | 87.7 | 92.1 | 94.3 | 95.4 | 95.8 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 700 | 16.2 | 88.5 | 93.2 | 95.6 | 96.7 | 97.1 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 600 | 16.2 | 88.7 | 93.7 | 96.1 | 97.2 | 97.7 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 500 | 16.2 | 88.8 | 93.9 | 96.2 | 97.4 | 98.1 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 16.2 | 89.0 | 94.2 | 96.5 | 97.8 | 98.5 | 99.2 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 16.2 | 89.0 | 94.2 | 96.5 | 97.8 | 98.5 | 99.2 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 16.2 | 89.0 | 94.2 | 96.5 | 97.8 | 98.5 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 16.2 | 89.0 | 94.2 | 96.5 | 97.8 | 98.5 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 16.2 | 89.0 | 94.2 | 96.5 | 97.8 | 98.5 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 327

GLOBAL CLIMATOLOGY BRANCH
USAFETAL
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 1500-1700

| CEILING FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | | |
| NO CEIL | 28.8 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| GE 20000 | 30.6 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 18000 | 31.0 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| GE 16000 | 31.1 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.3 | 60.8 | 60.8 | 60.8 |
| GE 14000 | 32.2 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| GE 12000 | 32.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 10000 | 33.5 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 9000 | 33.5 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 8000 | 33.8 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 7000 | 33.8 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 6000 | 33.8 | 70.3 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 5000 | 34.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 4000 | 34.4 | 72.4 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 3000 | 34.8 | 75.1 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 2500 | 35.4 | 77.0 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 2000 | 37.1 | 81.0 | 81.6 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 1500 | 37.1 | 83.7 | 84.7 | 85.0 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 1000 | 38.0 | 85.8 | 86.8 | 87.3 | 87.7 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 800 | 38.1 | 86.5 | 87.6 | 88.1 | 88.6 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 600 | 38.4 | 88.0 | 89.1 | 89.8 | 90.3 | 90.6 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 400 | 38.7 | 89.8 | 91.2 | 91.9 | 92.4 | 92.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 300 | 39.8 | 90.4 | 91.8 | 92.5 | 93.3 | 93.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 200 | 38.8 | 90.8 | 92.6 | 93.5 | 94.4 | 94.7 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 100 | 38.8 | 91.2 | 93.0 | 93.9 | 94.9 | 95.2 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 50 | 38.8 | 91.3 | 93.1 | 94.0 | 95.1 | 95.5 | 96.9 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 20 | 38.8 | 91.4 | 93.3 | 94.1 | 95.2 | 95.6 | 97.2 | 97.5 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 10 | 38.8 | 91.5 | 93.4 | 94.4 | 95.6 | 96.3 | 97.9 | 98.3 | 98.3 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 5 | 38.8 | 91.5 | 93.6 | 94.6 | 96.0 | 96.7 | 98.3 | 98.7 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2 | 38.8 | 91.5 | 93.6 | 94.6 | 96.0 | 96.7 | 98.5 | 98.9 | 98.9 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1 | 38.8 | 91.5 | 93.6 | 94.6 | 96.0 | 96.7 | 98.5 | 98.9 | 98.9 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 0 | 38.8 | 91.7 | 93.8 | 94.7 | 96.1 | 96.6 | 98.7 | 99.0 | 99.0 | 99.1 | 99.6 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CLIL | 27.9 | 48.4 | 48.4 | 48.4 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 |
| GE 20000 | 26.6 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 18000 | 26.8 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| GE 16000 | 26.8 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| GE 14000 | 27.2 | 59.0 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 12000 | 28.0 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 10000 | 29.6 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 9000 | 29.7 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 8000 | 29.0 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 7000 | 29.4 | 66.4 | 66.4 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 6000 | 29.4 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 5000 | 29.9 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 4500 | 30.3 | 70.4 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 4000 | 30.6 | 72.4 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 3500 | 31.1 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 3000 | 32.5 | 79.2 | 79.5 | 79.6 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 2500 | 33.2 | 82.3 | 82.6 | 83.0 | 83.4 | 83.4 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 2000 | 33.6 | 85.3 | 85.5 | 86.5 | 87.0 | 87.1 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 1800 | 33.7 | 86.3 | 86.5 | 87.5 | 87.9 | 88.1 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 1500 | 33.7 | 87.9 | 88.6 | 89.7 | 90.4 | 90.7 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 1200 | 34.1 | 89.0 | 89.7 | 90.9 | 91.8 | 92.0 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 1000 | 34.2 | 90.2 | 90.9 | 92.2 | 93.2 | 93.4 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 900 | 34.2 | 90.6 | 91.3 | 92.7 | 93.7 | 93.9 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 800 | 34.3 | 90.8 | 91.8 | 93.4 | 94.4 | 94.7 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 700 | 34.3 | 91.0 | 92.0 | 93.8 | 94.7 | 95.1 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 600 | 34.3 | 91.5 | 92.7 | 94.5 | 95.5 | 95.9 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 500 | 34.3 | 91.6 | 93.0 | 94.9 | 95.9 | 96.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 400 | 34.3 | 91.8 | 93.2 | 95.1 | 96.5 | 97.1 | 98.1 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 300 | 34.3 | 91.8 | 93.2 | 95.1 | 96.8 | 97.4 | 98.3 | 98.9 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 200 | 34.3 | 91.8 | 93.2 | 95.1 | 96.8 | 97.4 | 98.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.6 | 99.8 | 100.0 |
| GE 100 | 34.3 | 91.8 | 93.2 | 95.1 | 96.8 | 97.4 | 98.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.6 | 99.8 | 100.0 |
| GE 0 | 34.3 | 91.8 | 93.2 | 95.1 | 96.8 | 97.4 | 98.3 | 98.9 | 98.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.6 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(IST): 0900-1100

| CEILING IN FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|---------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 16.6 | 44.2 | 46.5 | 47.4 | 47.6 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 48.0 |
| GE 20000 | 18.7 | 50.3 | 52.6 | 53.6 | 53.9 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.4 |
| GE 18000 | 18.7 | 50.7 | 52.9 | 54.0 | 54.2 | 54.6 | 54.6 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 |
| GE 16000 | 18.7 | 50.7 | 53.0 | 54.1 | 54.3 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.9 |
| GE 14000 | 18.7 | 51.0 | 53.4 | 54.4 | 54.7 | 55.0 | 55.0 | 55.0 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.3 |
| GE 12000 | 19.1 | 52.9 | 55.3 | 56.3 | 56.6 | 56.9 | 56.9 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.2 |
| GE 10000 | 19.8 | 55.2 | 57.7 | 58.8 | 59.1 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.7 |
| GE 9000 | 19.9 | 55.3 | 57.8 | 59.0 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.8 |
| GE 8000 | 20.4 | 56.9 | 59.4 | 60.6 | 60.9 | 61.2 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.4 |
| GE 7000 | 20.4 | 57.8 | 60.3 | 61.4 | 61.7 | 62.0 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 |
| GE 6000 | 20.6 | 58.4 | 60.9 | 62.0 | 62.3 | 62.6 | 62.6 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.9 |
| GE 5000 | 20.9 | 59.4 | 61.9 | 63.1 | 63.5 | 63.8 | 63.8 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.1 |
| GE 4500 | 20.9 | 61.2 | 63.7 | 64.9 | 65.2 | 65.6 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 |
| GE 4000 | 21.7 | 63.5 | 66.0 | 67.4 | 67.9 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.4 |
| GE 3500 | 21.9 | 65.6 | 68.1 | 69.5 | 70.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.6 |
| GE 3000 | 22.2 | 68.4 | 70.9 | 72.6 | 73.1 | 73.4 | 73.4 | 73.4 | 73.4 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 |
| GE 2500 | 23.8 | 71.2 | 73.8 | 75.4 | 75.9 | 76.3 | 76.4 | 76.4 | 76.4 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.7 |
| GE 2000 | 23.3 | 73.8 | 76.4 | 78.1 | 78.5 | 78.9 | 79.0 | 79.1 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.5 |
| GE 1800 | 23.6 | 75.7 | 78.3 | 80.0 | 80.4 | 80.8 | 80.9 | 81.0 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 |
| GE 1500 | 24.0 | 78.8 | 81.7 | 83.4 | 83.9 | 84.2 | 84.3 | 84.5 | 84.6 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 |
| GE 1200 | 24.0 | 80.5 | 83.9 | 85.5 | 86.0 | 86.4 | 86.5 | 86.7 | 86.8 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 |
| GE 1000 | 24.0 | 81.6 | 85.2 | 87.0 | 87.4 | 87.8 | 87.9 | 88.1 | 88.3 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 |
| GE 900 | 24.0 | 82.7 | 86.5 | 88.5 | 89.0 | 89.3 | 89.4 | 89.7 | 89.8 | 90.0 | 90.0 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 |
| GE 800 | 24.0 | 84.0 | 88.0 | 90.0 | 90.5 | 90.9 | 91.1 | 91.3 | 91.5 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 |
| GE 700 | 24.0 | 84.8 | 89.4 | 91.8 | 92.3 | 92.6 | 92.9 | 93.1 | 93.2 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 |
| GE 600 | 24.0 | 85.3 | 90.0 | 92.4 | 93.2 | 93.6 | 94.0 | 94.2 | 94.3 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 |
| GE 500 | 24.0 | 85.9 | 90.6 | 93.4 | 94.8 | 95.1 | 95.5 | 96.1 | 96.2 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 |
| GE 400 | 24.0 | 86.1 | 91.1 | 94.0 | 95.8 | 96.2 | 96.8 | 97.6 | 97.7 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 |
| GE 300 | 24.0 | 86.1 | 91.1 | 94.0 | 95.8 | 96.2 | 96.8 | 97.7 | 98.0 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.1 |
| GE 200 | 24.0 | 86.1 | 91.1 | 94.0 | 95.8 | 96.2 | 97.0 | 98.0 | 98.2 | 98.7 | 99.1 | 99.2 | 99.4 | 99.4 | 99.6 | 99.8 | 100.0 |
| GE 100 | 24.0 | 86.1 | 91.1 | 94.0 | 95.8 | 96.2 | 97.0 | 98.0 | 98.2 | 98.7 | 99.1 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 | 100.0 |
| GE 0 | 24.0 | 86.1 | 91.1 | 94.0 | 95.8 | 96.2 | 97.0 | 98.0 | 98.2 | 98.7 | 99.1 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 943

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 10.9 | 38.3 | 40.2 | 41.7 | 43.9 | 44.2 | 45.2 | 45.5 | 45.5 | 45.8 | 46.1 | 46.1 | 46.2 | 46.2 | 46.6 | 47.3 | | |
| GE 20000 | 11.9 | 42.6 | 44.6 | 46.6 | 48.6 | 48.9 | 49.9 | 50.2 | 50.2 | 50.5 | 50.8 | 50.8 | 50.9 | 51.1 | 51.5 | 52.2 | | |
| GE 18000 | 11.9 | 42.8 | 44.8 | 46.8 | 48.8 | 49.1 | 50.1 | 50.4 | 50.4 | 50.6 | 50.9 | 50.9 | 51.1 | 51.2 | 51.6 | 52.4 | | |
| GE 16000 | 11.9 | 42.8 | 44.8 | 46.8 | 48.8 | 49.1 | 50.1 | 50.4 | 50.4 | 50.6 | 50.9 | 50.9 | 51.1 | 51.2 | 51.6 | 52.4 | | |
| GE 14000 | 11.9 | 42.9 | 44.9 | 46.9 | 48.9 | 49.2 | 50.2 | 50.5 | 50.5 | 50.8 | 51.1 | 51.1 | 51.2 | 51.4 | 51.8 | 52.5 | | |
| GE 12000 | 12.1 | 44.3 | 46.3 | 48.4 | 50.4 | 50.6 | 51.6 | 51.9 | 51.9 | 52.2 | 52.5 | 52.5 | 52.7 | 52.8 | 53.2 | 53.9 | | |
| GE 10000 | 12.6 | 46.1 | 48.1 | 50.1 | 52.1 | 52.4 | 53.4 | 53.7 | 53.7 | 53.9 | 54.2 | 54.2 | 54.4 | 54.5 | 54.9 | 55.7 | | |
| GE 9000 | 12.6 | 46.1 | 48.1 | 50.1 | 52.1 | 52.4 | 53.4 | 53.7 | 53.7 | 53.9 | 54.2 | 54.2 | 54.4 | 54.5 | 54.9 | 55.7 | | |
| GE 8000 | 12.8 | 47.9 | 49.9 | 51.9 | 53.9 | 54.2 | 55.2 | 55.5 | 55.5 | 55.8 | 56.1 | 56.1 | 56.2 | 56.4 | 56.8 | 57.5 | | |
| GE 7000 | 12.8 | 48.6 | 50.6 | 52.7 | 54.7 | 54.9 | 56.0 | 56.2 | 56.2 | 56.5 | 56.8 | 56.8 | 57.0 | 57.1 | 57.5 | 58.2 | | |
| GE 6000 | 12.8 | 49.1 | 51.1 | 53.1 | 55.1 | 55.4 | 56.4 | 56.7 | 56.7 | 57.0 | 57.2 | 57.2 | 57.4 | 57.5 | 58.0 | 58.7 | | |
| GE 5000 | 13.1 | 51.2 | 53.2 | 55.2 | 57.2 | 57.5 | 58.5 | 58.8 | 58.8 | 59.1 | 59.4 | 59.4 | 59.5 | 59.7 | 60.1 | 60.8 | | |
| GE 4500 | 13.5 | 52.2 | 54.5 | 56.5 | 58.5 | 59.0 | 60.1 | 60.4 | 60.4 | 60.7 | 61.0 | 61.0 | 61.1 | 61.3 | 61.7 | 62.4 | | |
| GE 4000 | 13.9 | 53.5 | 55.8 | 57.8 | 59.8 | 60.3 | 61.4 | 61.7 | 61.7 | 62.0 | 62.3 | 62.3 | 62.4 | 62.6 | 63.0 | 63.7 | | |
| GE 3500 | 14.2 | 55.8 | 58.1 | 60.1 | 62.1 | 62.6 | 63.7 | 64.0 | 64.0 | 64.3 | 64.6 | 64.6 | 64.7 | 64.8 | 65.3 | 66.0 | | |
| GE 3000 | 14.8 | 58.5 | 60.8 | 62.8 | 64.8 | 65.3 | 66.4 | 66.7 | 66.7 | 67.0 | 67.3 | 67.3 | 67.4 | 67.6 | 68.0 | 68.7 | | |
| GE 2500 | 15.1 | 62.0 | 64.6 | 66.6 | 68.6 | 69.0 | 70.3 | 70.6 | 70.6 | 70.9 | 71.2 | 71.2 | 71.3 | 71.4 | 71.9 | 72.6 | | |
| GE 2000 | 15.6 | 64.4 | 67.0 | 69.0 | 71.0 | 71.4 | 72.7 | 73.0 | 73.0 | 73.3 | 73.6 | 73.6 | 73.7 | 73.9 | 74.3 | 75.0 | | |
| GE 1800 | 15.8 | 66.3 | 68.9 | 70.9 | 72.9 | 73.3 | 74.6 | 74.9 | 74.9 | 75.2 | 75.5 | 75.5 | 75.6 | 75.8 | 76.2 | 76.9 | | |
| GE 1500 | 15.9 | 69.7 | 72.5 | 74.6 | 76.8 | 77.3 | 78.8 | 79.1 | 79.1 | 79.3 | 79.6 | 79.6 | 79.8 | 79.9 | 80.3 | 81.1 | | |
| GE 1200 | 16.1 | 71.4 | 74.3 | 76.4 | 79.1 | 79.6 | 81.1 | 81.3 | 81.3 | 81.6 | 81.9 | 81.9 | 82.2 | 82.4 | 82.8 | 83.5 | | |
| GE 1000 | 16.1 | 72.3 | 75.3 | 78.0 | 80.3 | 80.9 | 82.4 | 82.6 | 82.6 | 82.9 | 83.2 | 83.4 | 83.6 | 83.9 | 84.1 | 84.4 | | |
| GE 900 | 16.1 | 72.5 | 75.6 | 78.3 | 80.6 | 81.3 | 82.9 | 83.2 | 83.4 | 83.6 | 83.9 | 84.1 | 84.4 | 84.5 | 84.9 | 85.7 | | |
| GE 800 | 16.1 | 74.5 | 77.9 | 80.8 | 83.6 | 84.4 | 86.1 | 86.4 | 86.5 | 86.8 | 87.1 | 87.2 | 87.5 | 87.7 | 88.1 | 88.8 | | |
| GE 700 | 16.1 | 75.2 | 78.6 | 81.8 | 85.2 | 85.9 | 87.7 | 88.1 | 88.2 | 88.5 | 88.8 | 89.0 | 89.2 | 89.4 | 89.8 | 90.5 | | |
| GE 600 | 16.1 | 75.9 | 79.6 | 82.9 | 86.8 | 87.7 | 89.7 | 90.1 | 90.2 | 90.5 | 90.8 | 91.0 | 91.2 | 91.4 | 91.8 | 92.5 | | |
| GE 500 | 16.1 | 76.3 | 80.2 | 83.5 | 87.4 | 88.5 | 90.5 | 91.1 | 91.2 | 91.5 | 91.8 | 92.0 | 92.5 | 92.7 | 93.1 | 93.8 | | |
| GE 400 | 16.1 | 76.3 | 80.2 | 83.5 | 87.5 | 88.7 | 90.8 | 91.4 | 91.5 | 92.3 | 92.5 | 92.5 | 92.7 | 93.4 | 93.5 | 94.0 | | |
| GE 300 | 16.1 | 76.3 | 80.2 | 83.5 | 87.8 | 89.2 | 91.5 | 92.3 | 92.5 | 93.4 | 93.7 | 93.8 | 94.7 | 94.8 | 95.4 | 96.1 | | |
| GE 200 | 16.1 | 76.3 | 80.2 | 83.5 | 87.8 | 89.2 | 92.0 | 92.8 | 93.3 | 94.5 | 95.0 | 95.3 | 96.6 | 96.8 | 97.8 | 98.7 | | |
| GE 100 | 16.1 | 76.3 | 80.2 | 83.5 | 87.8 | 89.2 | 92.0 | 93.0 | 93.4 | 94.7 | 95.1 | 95.4 | 96.8 | 97.1 | 98.1 | 99.3 | | |
| GE 0 | 16.1 | 76.3 | 80.2 | 83.5 | 87.8 | 89.2 | 92.0 | 93.0 | 93.4 | 94.7 | 95.1 | 95.4 | 96.8 | 97.1 | 98.3 | 100.0 | | |

TOTAL NUMBER OF OBSERVATIONS: 697

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 23.8 | 58.8 | 59.3 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 |
| GE 20000 | 25.3 | 64.1 | 64.5 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 18000 | 25.3 | 64.2 | 64.6 | 64.8 | 64.8 | 64.8 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 16000 | 25.3 | 64.2 | 64.6 | 64.8 | 64.8 | 64.8 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 14000 | 25.3 | 64.2 | 64.6 | 64.8 | 64.8 | 64.8 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 12000 | 25.8 | 65.2 | 65.6 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 10000 | 25.9 | 66.1 | 66.5 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.2 | 67.2 | 67.3 | 67.3 |
| GE 9000 | 26.0 | 66.3 | 66.7 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.4 | 67.4 | 67.5 | 67.5 |
| GE 8000 | 26.0 | 67.9 | 68.4 | 68.6 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.3 | 69.3 | 69.4 | 69.4 |
| GE 7000 | 26.0 | 68.0 | 68.6 | 69.3 | 69.6 | 69.6 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 70.0 | 70.0 | 70.1 | 70.1 |
| GE 6000 | 26.0 | 68.5 | 69.2 | 69.9 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.6 | 70.6 |
| GE 5000 | 26.1 | 69.4 | 70.1 | 70.8 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.4 | 71.4 | 71.5 | 71.5 |
| GE 4500 | 26.1 | 70.8 | 71.7 | 72.4 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.1 | 73.1 | 73.2 | 73.2 |
| GE 4000 | 26.2 | 72.7 | 73.5 | 74.3 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.2 | 75.2 | 75.3 | 75.3 |
| GE 3500 | 26.6 | 74.4 | 75.4 | 76.2 | 76.7 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.2 | 77.3 |
| GE 3000 | 26.6 | 77.0 | 78.0 | 78.8 | 79.2 | 79.2 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.9 | 79.9 | 80.0 | 80.1 |
| GE 2500 | 26.8 | 81.1 | 82.1 | 83.1 | 83.6 | 83.6 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.4 | 84.4 | 84.5 | 84.6 |
| GE 2000 | 27.2 | 84.4 | 85.5 | 86.6 | 87.1 | 87.1 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 88.1 | 88.1 | 88.2 | 88.3 |
| GE 1800 | 27.2 | 85.0 | 86.2 | 87.3 | 87.7 | 87.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.7 | 88.7 | 88.8 | 89.0 |
| GE 1500 | 27.2 | 86.9 | 88.2 | 89.3 | 89.7 | 90.1 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.3 | 91.3 | 91.4 | 91.5 |
| GE 1200 | 27.2 | 87.9 | 89.2 | 90.3 | 90.7 | 91.1 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.3 | 92.3 | 92.4 | 92.5 |
| GE 1000 | 27.2 | 88.5 | 90.0 | 91.1 | 91.5 | 92.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.4 | 93.4 | 93.5 | 93.6 |
| GE 900 | 27.2 | 89.1 | 90.8 | 92.2 | 92.7 | 93.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.8 | 94.9 |
| GE 800 | 27.2 | 89.5 | 91.5 | 93.0 | 93.5 | 94.0 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.6 | 95.6 | 95.8 | 95.9 |
| GE 700 | 27.2 | 90.0 | 92.0 | 93.4 | 94.1 | 94.5 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.3 | 96.3 | 96.4 | 96.5 |
| GE 600 | 27.2 | 90.1 | 92.1 | 93.6 | 94.4 | 94.9 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.8 | 96.8 | 96.9 | 97.0 |
| GE 500 | 27.2 | 90.5 | 92.7 | 94.3 | 95.5 | 96.0 | 97.3 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.2 | 98.3 |
| GE 400 | 27.2 | 90.6 | 92.9 | 94.4 | 95.6 | 96.1 | 97.4 | 97.8 | 98.0 | 98.3 | 98.4 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 |
| GE 300 | 27.2 | 90.6 | 92.9 | 94.4 | 95.8 | 96.2 | 97.5 | 97.9 | 98.2 | 98.5 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.2 |
| GE 200 | 27.2 | 90.6 | 92.9 | 94.4 | 95.8 | 96.2 | 97.5 | 97.9 | 98.2 | 98.5 | 98.8 | 98.8 | 99.1 | 99.2 | 99.3 | 99.4 |
| GE 100 | 27.2 | 90.6 | 92.9 | 94.4 | 95.8 | 96.2 | 97.5 | 98.0 | 98.3 | 98.7 | 98.9 | 98.9 | 99.2 | 99.7 | 99.8 | 99.9 |
| GE 0 | 27.2 | 90.6 | 92.9 | 94.4 | 95.8 | 96.2 | 97.5 | 98.0 | 98.3 | 98.7 | 98.9 | 98.9 | 99.2 | 99.7 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 396

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(IST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 1 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 24.4 | 57.3 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| GE 20000 | 26.0 | 63.8 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 18000 | 26.0 | 63.8 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 16000 | 26.0 | 63.8 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 14000 | 26.0 | 64.3 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 12000 | 26.1 | 65.3 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 10000 | 26.3 | 66.2 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| GE 9000 | 26.4 | 66.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 8000 | 26.9 | 69.9 | 69.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 7000 | 26.9 | 68.9 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 6000 | 26.9 | 69.3 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 5000 | 27.3 | 70.8 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 4500 | 27.4 | 72.1 | 73.2 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 4000 | 27.6 | 75.1 | 76.3 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 3500 | 27.9 | 77.0 | 78.1 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 3000 | 29.3 | 79.9 | 81.3 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 2500 | 28.5 | 83.1 | 84.6 | 85.3 | 85.5 | 85.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 2000 | 29.5 | 85.5 | 87.1 | 87.7 | 88.0 | 88.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 1800 | 29.8 | 87.1 | 88.7 | 89.5 | 89.7 | 89.7 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 1500 | 29.0 | 88.7 | 90.5 | 91.5 | 91.9 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 1200 | 29.0 | 89.4 | 91.4 | 92.4 | 92.8 | 92.8 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 1000 | 29.0 | 89.9 | 92.1 | 93.4 | 94.0 | 94.0 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 900 | 29.0 | 90.1 | 92.6 | 94.3 | 94.9 | 94.9 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 800 | 29.0 | 90.9 | 93.6 | 95.5 | 96.2 | 96.2 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 700 | 29.0 | 91.2 | 94.0 | 96.0 | 96.7 | 96.7 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 600 | 29.0 | 91.5 | 94.4 | 96.4 | 97.1 | 97.1 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 500 | 29.0 | 91.6 | 94.5 | 96.5 | 97.4 | 97.4 | 98.2 | 98.6 | 98.6 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 400 | 29.0 | 91.6 | 94.5 | 96.5 | 97.4 | 97.4 | 98.4 | 98.8 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 300 | 29.0 | 91.6 | 94.5 | 96.5 | 97.4 | 97.5 | 98.6 | 98.9 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 29.0 | 91.6 | 94.5 | 96.5 | 97.4 | 97.5 | 98.6 | 98.9 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 29.0 | 91.6 | 94.5 | 96.5 | 97.4 | 97.5 | 98.6 | 98.9 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 29.0 | 91.6 | 94.5 | 96.5 | 97.4 | 97.5 | 98.6 | 98.9 | 99.1 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 25.3 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 20000 | 27.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GE 18000 | 27.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GE 16000 | 27.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GE 14000 | 27.3 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 12000 | 27.3 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 10000 | 27.4 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 9000 | 27.6 | 67.1 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 8000 | 27.8 | 70.7 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 7000 | 27.8 | 70.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 6000 | 27.8 | 71.3 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 5000 | 29.0 | 73.1 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 4500 | 29.3 | 74.2 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 4000 | 29.8 | 77.3 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 3500 | 29.1 | 78.9 | 79.3 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 3000 | 29.1 | 80.4 | 80.7 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 2500 | 29.1 | 83.5 | 84.1 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 2000 | 29.2 | 86.8 | 87.6 | 88.2 | 88.5 | 88.6 | 88.7 | 88.9 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 1800 | 29.4 | 87.5 | 88.4 | 89.1 | 89.4 | 89.5 | 89.7 | 89.9 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 1500 | 29.7 | 89.2 | 90.7 | 92.0 | 92.4 | 92.5 | 93.0 | 93.1 | 93.3 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1200 | 30.0 | 90.5 | 92.2 | 93.4 | 93.9 | 94.0 | 94.4 | 94.5 | 94.8 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 1000 | 30.0 | 91.0 | 93.0 | 94.3 | 94.9 | 95.0 | 95.4 | 95.5 | 95.8 | 95.9 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 900 | 30.0 | 91.4 | 93.4 | 94.8 | 95.3 | 95.4 | 95.9 | 96.0 | 96.2 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 800 | 30.0 | 91.9 | 93.9 | 95.4 | 96.0 | 96.2 | 96.9 | 97.0 | 97.2 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 700 | 30.0 | 91.9 | 94.0 | 95.5 | 96.3 | 96.5 | 97.3 | 97.4 | 97.7 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 600 | 30.0 | 92.0 | 94.1 | 95.7 | 97.1 | 97.3 | 98.1 | 98.3 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 500 | 30.0 | 92.0 | 94.2 | 95.9 | 97.3 | 97.7 | 98.4 | 98.7 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 30.0 | 92.0 | 94.2 | 95.9 | 97.3 | 97.7 | 98.4 | 98.7 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 300 | 30.0 | 92.0 | 94.2 | 95.9 | 97.3 | 97.7 | 98.4 | 98.8 | 99.2 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 30.0 | 92.0 | 94.2 | 95.9 | 97.3 | 97.7 | 98.4 | 98.8 | 99.2 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 30.0 | 92.0 | 94.2 | 95.9 | 97.3 | 97.7 | 98.4 | 98.8 | 99.2 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 30.0 | 92.0 | 94.2 | 95.9 | 97.3 | 97.7 | 98.4 | 98.8 | 99.2 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722765 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GF 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 19.5 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| GE 20000 | 20.4 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 18000 | 20.4 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| GE 16000 | 20.4 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| GE 14000 | 20.4 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| GE 12000 | 20.4 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 10000 | 20.4 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 9000 | 20.6 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 8000 | 20.6 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 7000 | 20.7 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| GE 6000 | 20.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 5000 | 20.7 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 4500 | 20.7 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 4000 | 20.8 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 3500 | 21.4 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 3000 | 21.5 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 2500 | 21.6 | 83.1 | 83.2 | 83.3 | 83.3 | 83.4 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 2000 | 22.0 | 86.5 | 87.1 | 87.2 | 87.2 | 87.4 | 87.7 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 |
| GE 1800 | 22.7 | 87.7 | 88.4 | 88.6 | 88.6 | 88.9 | 89.3 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 |
| GE 1600 | 22.5 | 90.2 | 91.2 | 91.6 | 91.8 | 92.2 | 92.6 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 |
| GE 1400 | 23.0 | 92.3 | 93.5 | 94.1 | 94.2 | 94.6 | 95.1 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 |
| GE 1200 | 23.0 | 92.9 | 94.3 | 95.1 | 95.5 | 96.0 | 96.7 | 96.9 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 |
| GE 1000 | 23.0 | 93.2 | 94.6 | 95.4 | 95.9 | 96.4 | 97.1 | 97.3 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| GE 800 | 23.0 | 93.5 | 95.0 | 95.8 | 96.2 | 96.8 | 97.5 | 97.8 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 |
| GE 700 | 23.0 | 94.0 | 95.5 | 96.4 | 96.9 | 97.4 | 98.2 | 98.4 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| GE 600 | 23.0 | 94.0 | 95.5 | 96.5 | 97.2 | 97.8 | 98.6 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| GE 500 | 23.0 | 94.0 | 95.5 | 96.7 | 97.3 | 97.9 | 98.7 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 400 | 23.0 | 94.0 | 95.5 | 96.7 | 97.3 | 98.0 | 98.8 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 300 | 23.0 | 94.0 | 95.5 | 96.7 | 97.3 | 98.0 | 98.8 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 200 | 23.0 | 94.0 | 95.5 | 96.7 | 97.3 | 98.0 | 98.8 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | 23.0 | 94.0 | 95.5 | 96.7 | 97.3 | 98.0 | 98.8 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 0 | 23.0 | 94.0 | 95.5 | 96.7 | 97.3 | 98.0 | 98.8 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 997

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|------------|----------|-----------------------------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 12.2 | 48.7 | 50.1 | 50.6 | 50.9 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | |
| GE 20000 | 13.0 | 56.7 | 58.3 | 59.0 | 59.3 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | |
| GE 18000 | 13.0 | 56.9 | 58.4 | 59.1 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | |
| GE 16000 | 13.0 | 56.9 | 58.4 | 59.1 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | |
| GE 14000 | 13.0 | 56.9 | 58.4 | 59.1 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | |
| GE 12000 | 13.0 | 57.5 | 59.1 | 59.8 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | |
| GE 10000 | 13.0 | 59.0 | 60.6 | 61.3 | 61.5 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | |
| GE 9000 | 13.0 | 59.1 | 60.8 | 61.4 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | |
| GE 8000 | 13.0 | 61.5 | 63.2 | 64.0 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | |
| GE 7000 | 13.0 | 61.9 | 63.5 | 64.4 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | |
| GE 6000 | 13.2 | 62.7 | 64.3 | 65.2 | 65.7 | 65.6 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | |
| GE 5000 | 13.2 | 64.2 | 66.4 | 67.4 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | |
| GE 4500 | 13.2 | 64.4 | 66.7 | 67.7 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | |
| GE 4000 | 13.4 | 66.7 | 69.1 | 70.2 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | |
| GE 3500 | 13.4 | 67.4 | 70.1 | 71.2 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | |
| GE 3000 | 13.5 | 68.6 | 71.2 | 72.4 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | |
| GE 2500 | 13.7 | 69.8 | 72.7 | 73.8 | 74.7 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | |
| GE 2000 | 13.9 | 73.4 | 76.8 | 77.9 | 79.2 | 79.4 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | |
| GE 1800 | 13.9 | 74.5 | 77.9 | 79.0 | 80.4 | 80.6 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | |
| GE 1500 | 14.4 | 78.7 | 82.9 | 84.5 | 86.3 | 86.5 | 86.7 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | |
| GE 1200 | 14.5 | 81.0 | 85.7 | 87.7 | 89.6 | 89.9 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | |
| GE 1000 | 14.7 | 82.6 | 87.7 | 89.9 | 92.0 | 92.2 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 900 | 14.7 | 83.5 | 89.1 | 91.2 | 93.3 | 93.6 | 94.3 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | |
| GE 800 | 14.7 | 84.3 | 90.2 | 92.3 | 94.4 | 94.8 | 95.4 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | |
| GE 700 | 14.7 | 84.9 | 91.2 | 93.4 | 95.5 | 95.9 | 96.7 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | |
| GE 600 | 14.7 | 85.1 | 91.4 | 93.6 | 95.8 | 96.1 | 96.9 | 97.5 | 97.5 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | |
| GE 500 | 14.7 | 85.1 | 91.4 | 93.6 | 95.9 | 96.2 | 97.2 | 98.1 | 98.1 | 98.3 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | |
| GE 400 | 14.7 | 85.2 | 91.5 | 94.0 | 96.3 | 96.7 | 97.8 | 98.8 | 98.8 | 99.0 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | |
| GE 300 | 14.7 | 85.2 | 91.5 | 94.0 | 96.3 | 96.7 | 97.8 | 98.9 | 98.9 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | |
| GE 200 | 14.7 | 85.2 | 91.5 | 94.0 | 96.3 | 96.7 | 97.8 | 98.9 | 98.9 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | |
| GE 100 | 14.7 | 85.2 | 91.5 | 94.0 | 96.3 | 96.7 | 97.8 | 98.9 | 98.9 | 99.1 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | |
| GE 0 | 14.7 | 85.2 | 91.5 | 94.0 | 96.3 | 96.7 | 97.8 | 98.9 | 98.9 | 99.1 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 857

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 6.2 | 36.8 | 40.3 | 41.9 | 43.5 | 45.1 | 46.4 | 47.5 | 47.6 | 48.0 | 48.1 | 48.1 | 48.3 | 48.3 | 48.7 | 49.6 |
| GE 20000 | 6.4 | 41.1 | 45.6 | 47.6 | 49.3 | 50.9 | 52.2 | 53.3 | 53.4 | 53.8 | 53.9 | 53.9 | 54.1 | 54.1 | 54.5 | 55.4 |
| GE 18000 | 6.4 | 41.3 | 45.9 | 47.8 | 49.6 | 51.2 | 52.4 | 53.5 | 53.6 | 54.0 | 54.1 | 54.1 | 54.4 | 54.4 | 54.7 | 55.6 |
| GE 16000 | 6.4 | 41.3 | 45.9 | 47.8 | 49.6 | 51.2 | 52.4 | 53.5 | 53.6 | 54.0 | 54.1 | 54.1 | 54.4 | 54.4 | 54.7 | 55.6 |
| GE 14000 | 6.4 | 41.3 | 45.9 | 47.8 | 49.6 | 51.2 | 52.4 | 53.5 | 53.6 | 54.0 | 54.1 | 54.1 | 54.4 | 54.4 | 54.7 | 55.6 |
| GE 12000 | 6.4 | 41.7 | 46.2 | 48.3 | 50.1 | 51.7 | 52.9 | 54.0 | 54.1 | 54.5 | 54.6 | 54.6 | 54.9 | 54.9 | 55.2 | 56.1 |
| GE 10000 | 6.4 | 43.3 | 48.2 | 50.3 | 52.0 | 53.6 | 54.9 | 56.0 | 56.1 | 56.5 | 56.6 | 56.6 | 56.8 | 56.8 | 57.2 | 58.1 |
| GE 9000 | 6.4 | 43.3 | 48.2 | 50.3 | 52.0 | 53.6 | 54.9 | 56.0 | 56.1 | 56.5 | 56.6 | 56.6 | 56.8 | 56.8 | 57.2 | 58.1 |
| GE 8000 | 6.6 | 47.0 | 51.9 | 54.0 | 55.7 | 57.3 | 58.5 | 59.7 | 59.8 | 60.1 | 60.3 | 60.3 | 60.5 | 60.5 | 60.9 | 61.7 |
| GE 7000 | 6.6 | 47.5 | 52.5 | 54.6 | 56.3 | 57.9 | 59.2 | 60.3 | 60.4 | 60.9 | 61.0 | 61.0 | 61.3 | 61.3 | 61.6 | 62.5 |
| GE 6000 | 6.6 | 48.3 | 53.4 | 55.5 | 57.2 | 58.8 | 60.0 | 61.1 | 61.3 | 61.7 | 61.9 | 61.9 | 62.1 | 62.1 | 62.5 | 63.3 |
| GE 5000 | 6.6 | 49.1 | 54.5 | 56.6 | 58.7 | 60.3 | 61.5 | 62.6 | 62.7 | 63.2 | 63.3 | 63.3 | 63.6 | 63.6 | 64.0 | 64.8 |
| GE 4500 | 6.6 | 49.3 | 55.2 | 57.6 | 59.4 | 61.3 | 62.5 | 63.6 | 63.7 | 64.2 | 64.3 | 64.3 | 64.6 | 64.6 | 64.9 | 65.8 |
| GE 4000 | 6.6 | 51.0 | 57.2 | 59.8 | 61.7 | 63.6 | 64.8 | 65.9 | 66.1 | 66.5 | 66.7 | 66.7 | 66.9 | 66.9 | 67.3 | 68.1 |
| GE 3500 | 6.6 | 51.9 | 58.3 | 60.9 | 63.0 | 64.8 | 66.1 | 67.2 | 67.3 | 67.8 | 67.9 | 67.9 | 68.1 | 68.1 | 68.5 | 69.4 |
| GE 3000 | 6.8 | 53.1 | 59.7 | 62.2 | 64.6 | 66.4 | 67.7 | 68.8 | 69.0 | 69.5 | 69.6 | 69.6 | 69.9 | 69.9 | 70.2 | 71.1 |
| GE 2500 | 6.8 | 54.9 | 61.6 | 64.2 | 66.7 | 68.5 | 69.7 | 70.8 | 71.1 | 71.6 | 71.7 | 71.7 | 72.0 | 72.0 | 72.3 | 73.2 |
| GE 2000 | 6.8 | 57.3 | 64.5 | 67.2 | 69.6 | 71.5 | 72.8 | 74.0 | 74.3 | 74.8 | 74.9 | 74.9 | 75.4 | 75.4 | 75.8 | 76.6 |
| GE 1800 | 6.8 | 58.8 | 66.1 | 68.8 | 71.2 | 73.3 | 74.7 | 75.9 | 76.1 | 76.6 | 76.8 | 76.8 | 77.2 | 77.2 | 77.6 | 78.5 |
| GE 1600 | 7.0 | 61.3 | 68.8 | 72.1 | 74.8 | 76.9 | 78.4 | 79.6 | 79.8 | 80.7 | 80.9 | 80.9 | 81.4 | 81.4 | 81.8 | 82.7 |
| GE 1400 | 7.3 | 64.1 | 72.2 | 75.8 | 78.8 | 81.2 | 82.8 | 84.0 | 84.3 | 85.2 | 85.5 | 85.5 | 86.0 | 86.0 | 86.3 | 87.2 |
| GE 1200 | 7.4 | 64.9 | 73.3 | 76.9 | 80.3 | 82.7 | 84.4 | 85.9 | 86.2 | 87.2 | 87.5 | 87.5 | 87.9 | 87.9 | 88.3 | 89.2 |
| GE 1000 | 7.6 | 65.7 | 74.3 | 78.0 | 81.4 | 83.9 | 85.7 | 87.5 | 87.8 | 88.8 | 89.1 | 89.1 | 89.5 | 89.5 | 89.9 | 90.8 |
| GE 900 | 7.6 | 66.1 | 74.9 | 78.6 | 82.2 | 84.6 | 86.5 | 88.3 | 88.8 | 89.8 | 90.2 | 90.2 | 90.7 | 90.7 | 91.0 | 91.9 |
| GE 800 | 7.7 | 66.7 | 75.6 | 79.5 | 83.3 | 85.7 | 87.8 | 89.7 | 90.2 | 91.1 | 91.5 | 91.5 | 92.0 | 92.0 | 92.4 | 93.2 |
| GE 700 | 7.7 | 67.5 | 76.9 | 80.7 | 84.6 | 87.2 | 89.3 | 91.1 | 91.6 | 92.6 | 93.0 | 93.0 | 93.5 | 93.5 | 93.8 | 94.7 |
| GE 600 | 7.7 | 67.7 | 77.1 | 81.2 | 85.4 | 87.9 | 90.4 | 92.4 | 92.9 | 93.0 | 94.2 | 94.2 | 94.7 | 94.7 | 95.1 | 96.1 |
| GE 500 | 7.7 | 67.8 | 77.2 | 81.4 | 85.9 | 88.4 | 91.1 | 93.7 | 94.2 | 95.3 | 95.8 | 95.8 | 96.3 | 96.4 | 96.8 | 97.8 |
| GE 400 | 7.7 | 67.8 | 77.2 | 81.4 | 86.0 | 88.6 | 91.4 | 94.0 | 94.6 | 95.9 | 96.4 | 96.4 | 96.9 | 97.0 | 97.4 | 98.4 |
| GE 300 | 7.7 | 67.8 | 77.2 | 81.4 | 86.1 | 88.7 | 91.5 | 94.1 | 94.7 | 96.1 | 96.6 | 96.6 | 97.2 | 97.3 | 98.0 | 99.3 |
| GE 200 | 7.7 | 67.8 | 77.2 | 81.4 | 86.1 | 88.7 | 91.5 | 94.1 | 94.7 | 96.1 | 96.6 | 96.6 | 97.2 | 97.4 | 98.4 | 100.0 |
| GE 100 | 7.7 | 67.8 | 77.2 | 81.4 | 86.1 | 88.7 | 91.5 | 94.1 | 94.7 | 96.1 | 96.6 | 96.6 | 97.2 | 97.4 | 98.4 | 100.0 |
| GE 0 | 7.7 | 67.8 | 77.2 | 81.4 | 86.1 | 88.7 | 91.5 | 94.1 | 94.7 | 96.1 | 96.6 | 96.6 | 97.2 | 97.4 | 98.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 22.9 | 70.1 | 71.1 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 20000 | 24.1 | 75.7 | 76.8 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 16000 | 24.1 | 75.7 | 76.8 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 16000 | 24.1 | 75.7 | 76.8 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 14000 | 24.1 | 75.7 | 76.8 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 12000 | 24.3 | 76.6 | 77.9 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 10000 | 24.4 | 78.8 | 80.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 9000 | 24.4 | 79.1 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 8000 | 24.7 | 80.0 | 81.2 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 7000 | 24.7 | 80.3 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 6000 | 25.0 | 81.1 | 82.7 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 5000 | 25.2 | 81.7 | 83.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 4500 | 25.3 | 82.7 | 84.4 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 4000 | 25.5 | 83.7 | 85.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 3500 | 25.5 | 84.6 | 86.3 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 3000 | 25.8 | 86.6 | 88.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 2500 | 25.8 | 88.4 | 90.4 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 2000 | 25.8 | 90.4 | 92.5 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 1800 | 25.8 | 90.8 | 93.0 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 1500 | 25.8 | 91.9 | 94.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 1200 | 25.8 | 92.4 | 95.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 1000 | 25.8 | 92.7 | 95.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 900 | 25.8 | 92.7 | 95.6 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 800 | 25.8 | 93.1 | 96.3 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 700 | 25.8 | 93.4 | 96.6 | 97.9 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 600 | 25.8 | 93.6 | 97.1 | 98.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 25.8 | 93.7 | 97.3 | 98.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 25.8 | 93.7 | 97.4 | 98.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 25.8 | 93.7 | 97.4 | 98.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 25.8 | 93.7 | 97.4 | 98.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 25.8 | 93.7 | 97.4 | 98.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 25.8 | 93.7 | 97.4 | 98.6 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 655

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GF 4 | GE 3 | GF 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 24.4 | 68.2 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 20000 | 25.4 | 76.1 | 76.2 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 18000 | 25.4 | 76.1 | 76.2 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 16000 | 25.4 | 76.1 | 76.2 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 14000 | 25.7 | 76.4 | 76.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 12000 | 26.0 | 76.8 | 77.1 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 10000 | 26.3 | 79.2 | 79.5 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 9000 | 26.3 | 79.9 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 8000 | 26.4 | 82.0 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 7000 | 26.4 | 82.3 | 82.6 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 6000 | 26.4 | 83.1 | 83.4 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 5000 | 26.4 | 84.0 | 84.4 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 4500 | 26.4 | 84.5 | 84.9 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 4000 | 26.6 | 85.3 | 85.9 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 3500 | 26.6 | 86.5 | 87.3 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 3000 | 27.1 | 88.3 | 89.1 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 2500 | 27.3 | 89.6 | 90.5 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 2000 | 27.3 | 91.5 | 92.4 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1800 | 27.3 | 92.3 | 93.3 | 94.0 | 94.2 | 94.2 | 94.2 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 1500 | 27.3 | 93.4 | 94.7 | 95.4 | 95.6 | 95.6 | 95.6 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 1200 | 27.3 | 94.0 | 95.4 | 96.1 | 96.3 | 96.3 | 96.3 | 96.4 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 1000 | 27.3 | 95.1 | 96.5 | 97.4 | 97.6 | 97.6 | 97.6 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 900 | 27.3 | 95.4 | 96.9 | 97.7 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 800 | 27.3 | 95.4 | 96.9 | 97.8 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 700 | 27.3 | 95.4 | 96.9 | 97.8 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 600 | 27.3 | 95.6 | 97.1 | 98.1 | 98.7 | 98.7 | 98.7 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 27.3 | 95.8 | 97.6 | 98.6 | 99.2 | 99.2 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 27.3 | 95.8 | 97.6 | 98.7 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 27.3 | 95.8 | 97.6 | 98.7 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 27.3 | 95.8 | 97.6 | 98.7 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 27.3 | 95.8 | 97.6 | 98.7 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 27.3 | 95.8 | 97.6 | 98.7 | 99.4 | 99.4 | 99.4 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 227

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(EST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 28.2 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 20000 | 29.8 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 18000 | 29.9 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 16000 | 29.9 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 14000 | 29.9 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 12000 | 30.1 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 10000 | 30.7 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 9000 | 30.7 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 8000 | 31.0 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 7000 | 31.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 6000 | 31.2 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 5000 | 31.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 4500 | 31.3 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 4000 | 31.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 3500 | 31.3 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 3000 | 31.3 | 91.0 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 2500 | 31.3 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 2000 | 31.5 | 94.0 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 1800 | 31.5 | 94.3 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 1600 | 31.5 | 95.3 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1400 | 31.5 | 96.4 | 97.2 | 97.3 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1200 | 31.5 | 97.0 | 97.8 | 98.0 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1000 | 31.5 | 97.1 | 98.0 | 98.1 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 900 | 31.5 | 97.1 | 98.0 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 800 | 31.5 | 97.1 | 98.0 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 600 | 31.5 | 97.2 | 98.1 | 98.4 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 500 | 31.5 | 97.4 | 98.6 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 31.5 | 97.4 | 98.6 | 98.9 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 31.5 | 97.4 | 98.6 | 98.9 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 31.5 | 97.4 | 98.6 | 98.9 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 31.5 | 97.4 | 98.6 | 98.9 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 31.5 | 97.4 | 98.6 | 98.9 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 227

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 24.2 | 60.9 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 20000 | 25.7 | 71.5 | 71.8 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 18000 | 25.7 | 71.6 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 16000 | 25.7 | 71.6 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 14000 | 25.8 | 71.8 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 12000 | 25.8 | 72.7 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 10000 | 26.0 | 76.2 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 9000 | 26.0 | 76.8 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 8000 | 26.1 | 78.5 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 7000 | 26.1 | 79.1 | 79.4 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 6000 | 26.1 | 80.3 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 5000 | 26.3 | 81.0 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 4500 | 26.8 | 82.2 | 82.5 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 4000 | 26.8 | 83.1 | 83.4 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 3500 | 26.8 | 84.1 | 84.5 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 3000 | 26.9 | 87.2 | 87.6 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 2500 | 26.9 | 88.6 | 89.0 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 2000 | 27.1 | 90.1 | 90.6 | 91.0 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 1800 | 27.2 | 90.8 | 91.4 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 1500 | 27.2 | 92.8 | 93.4 | 93.9 | 93.9 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 1200 | 27.3 | 94.6 | 95.4 | 96.0 | 96.2 | 96.3 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 1000 | 27.3 | 95.7 | 96.7 | 97.5 | 97.9 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 900 | 27.3 | 96.3 | 97.3 | 98.3 | 98.6 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 800 | 27.3 | 96.4 | 97.4 | 98.4 | 98.9 | 99.1 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | 27.3 | 96.4 | 97.6 | 98.6 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 27.3 | 96.4 | 97.6 | 98.6 | 99.1 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 27.3 | 96.4 | 97.6 | 98.7 | 99.2 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 27.3 | 96.4 | 97.6 | 98.7 | 99.2 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 27.3 | 96.4 | 97.6 | 98.7 | 99.2 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 27.3 | 96.4 | 97.6 | 98.7 | 99.2 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 27.3 | 96.4 | 97.6 | 98.7 | 99.2 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 27.3 | 96.4 | 97.6 | 98.7 | 99.2 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722265 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS (LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CLCL | 27.8 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| GE 20000 | 29.9 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| GE 18000 | 29.3 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| GE 16000 | 29.7 | 63.7 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 14000 | 29.7 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| GE 12000 | 30.1 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 10000 | 30.8 | 69.8 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 9000 | 30.8 | 69.9 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 8000 | 30.8 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 7000 | 30.8 | 71.9 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 6000 | 30.8 | 72.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 5000 | 31.1 | 74.0 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| GE 4500 | 31.6 | 75.1 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 4000 | 32.3 | 76.6 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 3500 | 32.8 | 79.3 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 3000 | 33.2 | 81.5 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 2500 | 33.4 | 82.8 | 83.8 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 2000 | 34.3 | 86.7 | 87.8 | 88.2 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 1800 | 34.5 | 87.7 | 88.9 | 89.2 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 1600 | 34.7 | 89.4 | 90.9 | 91.3 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 1400 | 34.7 | 90.0 | 92.0 | 92.4 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 1200 | 34.7 | 90.7 | 92.7 | 93.1 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 1000 | 34.7 | 91.1 | 93.1 | 94.0 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 900 | 34.7 | 91.5 | 93.5 | 94.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 800 | 34.7 | 91.7 | 93.8 | 94.9 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 700 | 34.7 | 92.0 | 94.0 | 95.3 | 97.0 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 600 | 34.7 | 92.2 | 94.3 | 95.6 | 97.7 | 97.7 | 97.7 | 97.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 500 | 34.7 | 92.3 | 94.4 | 95.9 | 98.1 | 98.2 | 98.2 | 98.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 34.7 | 92.4 | 94.4 | 95.9 | 98.1 | 98.2 | 98.2 | 98.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 300 | 34.7 | 92.4 | 94.4 | 95.9 | 98.1 | 98.2 | 98.2 | 98.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 200 | 34.7 | 92.4 | 94.4 | 95.9 | 98.1 | 98.2 | 98.2 | 98.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 100 | 34.7 | 92.4 | 94.4 | 95.9 | 98.1 | 98.2 | 98.2 | 98.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 0 | 34.7 | 92.4 | 94.4 | 95.9 | 98.1 | 98.2 | 98.2 | 98.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 772

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722765 STATION NAME: MAXWELL AFB AL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| NO CEIL | 27.3 | 60.4 | 60.7 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.4 | 61.4 |
| GE 20000 | 29.8 | 63.6 | 63.9 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.5 | 64.5 |
| GE 18000 | 29.8 | 63.7 | 64.0 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 |
| GE 16000 | 29.9 | 63.9 | 64.1 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8 |
| GE 14000 | 29.2 | 64.4 | 64.7 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 |
| GE 12000 | 29.6 | 65.7 | 66.0 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.8 | 66.8 |
| GE 10000 | 29.7 | 67.3 | 67.5 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 |
| GE 9000 | 29.7 | 67.5 | 67.8 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.6 |
| GE 8000 | 29.8 | 69.4 | 69.8 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.6 | 70.6 | 70.6 |
| GE 7000 | 30.0 | 70.3 | 70.7 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 |
| GE 6000 | 30.0 | 70.4 | 70.8 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 |
| GE 5000 | 30.5 | 72.0 | 72.5 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.3 | 73.3 | 73.3 |
| GE 4500 | 30.9 | 73.6 | 74.1 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 |
| GE 4000 | 31.1 | 74.9 | 75.4 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 |
| GE 3500 | 31.7 | 77.0 | 77.5 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 |
| GE 3000 | 32.2 | 79.8 | 80.3 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.1 | 81.1 | 81.1 |
| GE 2500 | 32.5 | 81.3 | 82.1 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 |
| GE 2000 | 32.9 | 84.4 | 85.3 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 |
| GE 1800 | 33.2 | 85.2 | 86.1 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 |
| GE 1600 | 33.2 | 86.9 | 87.9 | 88.8 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.4 | 89.4 | 89.4 |
| GE 1400 | 33.2 | 88.0 | 89.2 | 90.4 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.1 | 91.1 | 91.1 |
| GE 1300 | 33.2 | 88.7 | 90.0 | 91.6 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 |
| GE 1200 | 33.2 | 89.8 | 91.5 | 93.6 | 94.6 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 |
| GE 1100 | 33.2 | 90.1 | 91.9 | 94.2 | 95.7 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 |
| GE 1000 | 33.2 | 90.5 | 92.5 | 95.0 | 96.5 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 |
| GE 900 | 33.2 | 90.5 | 92.8 | 95.5 | 97.2 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 |
| GE 800 | 33.2 | 90.7 | 93.0 | 95.8 | 97.6 | 97.9 | 98.2 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| GE 700 | 33.2 | 90.7 | 93.0 | 95.8 | 97.8 | 98.0 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 600 | 33.2 | 90.7 | 93.0 | 95.8 | 97.8 | 98.0 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| GE 500 | 33.2 | 90.7 | 93.0 | 95.8 | 97.8 | 98.2 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 |
| GE 400 | 33.2 | 90.7 | 93.0 | 95.8 | 97.8 | 98.2 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 |
| GE 300 | 33.2 | 90.7 | 93.0 | 95.8 | 97.8 | 98.2 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 |
| GE 200 | 33.2 | 90.7 | 93.0 | 95.8 | 97.8 | 98.2 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 |
| GE 100 | 33.2 | 90.7 | 93.0 | 95.8 | 97.8 | 98.2 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 |
| GE 0 | 33.2 | 90.7 | 93.0 | 95.8 | 97.8 | 98.2 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS: 761

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover and total number of observations. It is presented by month and available 3-hour groups.

NOTES: 1. Some sources of punched data used for this summary report cloud amounts in eights. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in eights. The manner of conversion is given below:

| <u>EIGHTS</u> | <u>TENTHS</u> |
|-----------------|---------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

2. For Airways stations the symbols of clear, scattered, broken, overcast, and obscured were used as input for the total sky cover.

Clear was converted to 0/10
Scattered was converted to 3/10
Broken was converted to 9/10
Overcast was converted to 10/10
Obscured was converted to 10/10

SKY COVER

722265
STATION

MAXWELL AFB AL

76-85

JAN
1971

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|-----|--|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 | |
| JAN | 00-02 | | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | | |
| | 06-08 | 21.1 | | | 17.9 | | | | | | 15.6 | 45.5 | 6.5 | 783 | |
| | 09-11 | 15.0 | | | 22.1 | | | | | | 16.9 | 46.2 | 6.8 | 887 | |
| | 12-14 | 14.4 | | | 24.5 | | | | | | 21.5 | 39.7 | 6.6 | 895 | |
| | 15-17 | 16.5 | | | 23.7 | | | | | | 21.5 | 38.3 | 6.5 | 881 | |
| | 18-20 | 26.0 | | | 21.7 | | | | | | 13.7 | 38.6 | 5.7 | 881 | |
| | 21-23 | 33.0 | | | 15.6 | | | | | | 12.1 | 38.5 | 5.4 | 871 | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| TOTALS | | 21.1 | | | 25.9 | | | | | | 16.9 | 41.1 | 6.3 | 520 | |

SKY COVER

FEB

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NUMBER OF P. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|--------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| FEB | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 18.8 | | | 21.3 | | | | | | 20.6 | 39.3 | 6.4 | 759 |
| | 09-11 | 19.1 | | | 22.3 | | | | | | 20.9 | 37.7 | 6.3 | 843 |
| | 12-14 | 15.5 | | | 26.3 | | | | | | 24.4 | 33.5 | 6.4 | 844 |
| | 15-17 | 15.0 | | | 30.6 | | | | | | 22.6 | 31.8 | 6.1 | 644 |
| | 18-20 | 22.6 | | | 28.1 | | | | | | 18.5 | 30.9 | 5.6 | 837 |
| | 21-23 | 34.2 | | | 18.4 | | | | | | 16.1 | 31.2 | 5.1 | 836 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 20.2 | | | 24.5 | | | | | | 20.5 | 34.1 | 6.0 | 4963 |

SKY COVER

75-84

MAR
2001

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF HR. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|------------------------|-----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAR | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 18.1 | | | 19.8 | | | | | | 21.9 | 40.1 | 6.6 | 867 |
| | 09-11 | 16.3 | | | 20.9 | | | | | | 24.6 | 38.2 | 6.7 | 930 |
| | 12-14 | 13.8 | | | 21.4 | | | | | | 29.5 | 35.4 | 6.9 | 930 |
| | 15-17 | 10.9 | | | 23.9 | | | | | | 28.6 | 36.7 | 7.0 | 930 |
| | 18-20 | 17.2 | | | 24.4 | | | | | | 24.4 | 33.9 | 6.3 | 922 |
| | 21-23 | 30.9 | | | 25.1 | | | | | | 15.0 | 33.9 | 5.3 | 864 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 17.9 | | | 21.8 | | | | | | 24.0 | 36.4 | 6.5 | 544 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SKY COVER

722255
STATION

MAXWELL AFB AL
STATION NAME

75-84
PERIOD

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NUMBER OF OBS. |
|-------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|----------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| APR | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | 20.4 | | | 21.0 | | | | | | 24.7 | 33.2 | 6.2 849 |
| | 09-11 | 18.7 | | | 25.4 | | | | | | 27.8 | 28.6 | 6.1 899 |
| | 12-14 | 14.6 | | | 28.0 | | | | | | 29.1 | 29.3 | 6.3 900 |
| | 15-17 | 13.3 | | | 28.6 | | | | | | 27.8 | 30.3 | 6.4 900 |
| | 18-20 | 22.2 | | | 25.5 | | | | | | 27.8 | 29.4 | 5.9 881 |
| | 21-23 | 35.1 | | | 20.2 | | | | | | 13.2 | 31.4 | 4.9 771 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | TOTALS | 20.6 | | | 24.8 | | | | | | 24.2 | 30.4 | 6.0 5200 |

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAXWELL AFB AL

75-84

MAY

| MONTH | HOURS EST. | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|---------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAY | 00-02 | | | | | | | | | | | | | |
| | 03-05 | 13.2 | | | 29.6 | | | | | | 25.5 | 31.0 | 6.3 | 216 |
| | 06-08 | 19.1 | | | 23.4 | | | | | | 25.6 | 31.9 | 6.2 | 927 |
| | 09-11 | 14.0 | | | 32.5 | | | | | | 27.2 | 26.3 | 6.1 | 930 |
| | 12-14 | 5.3 | | | 39.4 | | | | | | 33.1 | 23.2 | 6.5 | 930 |
| | 15-17 | 5.9 | | | 40.0 | | | | | | 30.5 | 23.7 | 6.3 | 930 |
| | 18-20 | 14.4 | | | 35.5 | | | | | | 25.2 | 24.5 | 5.9 | 918 |
| | 21-23 | 35.3 | | | 26.7 | | | | | | 16.0 | 21.9 | 4.4 | 606 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 15.5 | | | 32.3 | | | | | | 26.2 | 26.1 | 5.2 | 5457 |

SKY COVER

JUN

Figure 1

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUN | 00-02 | | | | | | | | | | | | | |
| | 03-05 | 10.8 | | | 42.7 | | | | | | 24.4 | 22.1 | 5.7 | 213 |
| | 06-08 | 17.6 | | | 35.3 | | | | | | 29.1 | 19.0 | 5.5 | 885 |
| | 09-11 | 11.6 | | | 44.2 | | | | | | 31.5 | 12.8 | 5.4 | 890 |
| | 12-14 | 2.6 | | | 51.3 | | | | | | 34.1 | 12.0 | 5.8 | 891 |
| | 15-17 | 4.6 | | | 51.1 | | | | | | 29.2 | 16.2 | 5.7 | 891 |
| | 18-20 | 14.9 | | | 40.0 | | | | | | 24.9 | 20.2 | 5.5 | 891 |
| | 21-23 | 35.2 | | | 28.5 | | | | | | 21.5 | 14.8 | 4.3 | 594 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 13.9 | | | 41.9 | | | | | | 27.5 | 16.7 | 5.4 | 5255 |

SKY COVER

JUL

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|------|------|--------------------------------|-------------------------|----|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| JUL | 00-02 | | | | | | | | | | | | | |
| | 03-05 | 3.4 | | | 40.5 | | | | | 27.0 | 24.2 | 6.1 | 215 | |
| | 06-08 | 14.4 | | | 32.3 | | | | | 27.3 | 26.0 | 6.0 | 919 | |
| | 09-11 | 10.3 | | | 38.2 | | | | | 32.3 | 19.2 | 6.0 | 929 | |
| | 12-14 | 1.3 | | | 44.5 | | | | | 37.9 | 16.3 | 6.4 | 926 | |
| | 15-17 | 1.9 | | | 40.9 | | | | | 33.2 | 24.1 | 6.6 | 914 | |
| | 18-20 | 7.8 | | | 32.2 | | | | | 28.4 | 31.9 | 6.7 | 901 | |
| | 21-23 | 21.2 | | | 31.2 | | | | | 21.8 | 25.1 | 5.4 | 622 | |
| TOTALS | | 9.4 | | | 37.1 | | | | | 29.7 | 23.8 | 6.2 | 540 | |

SKY COVER

AUG

— — — — —

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| AUG | 00-02 | | | | | | | | | | | | | |
| | 03-05 | 13.9 | | | 46.7 | | | | | | 21.0 | 18.6 | 5.1 | 210 |
| | 06-08 | 18.1 | | | 36.5 | | | | | | 27.9 | 21.5 | 5.4 | 904 |
| | 09-11 | 11.9 | | | 46.8 | | | | | | 29.1 | 12.2 | 5.2 | 918 |
| | 12-14 | .9 | | | 52.4 | | | | | | 36.4 | 10.4 | 5.9 | 929 |
| | 15-17 | 2.0 | | | 46.7 | | | | | | 32.2 | 19.1 | 6.2 | 928 |
| | 18-20 | 11.8 | | | 35.7 | | | | | | 34.1 | 18.4 | 6.0 | 922 |
| | 21-23 | 27.0 | | | 36.2 | | | | | | 20.7 | 16.1 | 4.6 | 614 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 12.2 | | | 43.0 | | | | | | 28.2 | 16.6 | 5.5 | 5425 |

3

SKY COVER

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS LST. | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|---------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| SEP | 00-02 | | | | | | | | | | | | | |
| | 03-05 | 26.3 | | | 32.2 | | | | | | 18.3 | 23.6 | 5.0 | 208 |
| | 06-08 | 19.4 | | | 32.3 | | | | | | 20.2 | 28.2 | 5.6 | 893 |
| | 09-11 | 15.4 | | | 37.0 | | | | | | 23.4 | 24.1 | 5.6 | 900 |
| | 12-14 | 4.4 | | | 41.8 | | | | | | 32.7 | 21.1 | 6.3 | 900 |
| | 15-17 | 6.9 | | | 40.9 | | | | | | 30.0 | 22.2 | 6.1 | 900 |
| | 18-20 | 21.1 | | | 32.9 | | | | | | 23.9 | 22.2 | 5.4 | 897 |
| | 21-23 | 36.2 | | | 25.7 | | | | | | 19.9 | 18.2 | 4.4 | 599 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 18.5 | | | 34.7 | | | | | | 24.1 | 22.8 | 5.5 | 5297 |

3

AL 1

UCT
v. 2.0

1

1

SKY COVER

MAXWELL AFB AL

75-24

NOV

[illegible]

AD-A159 603

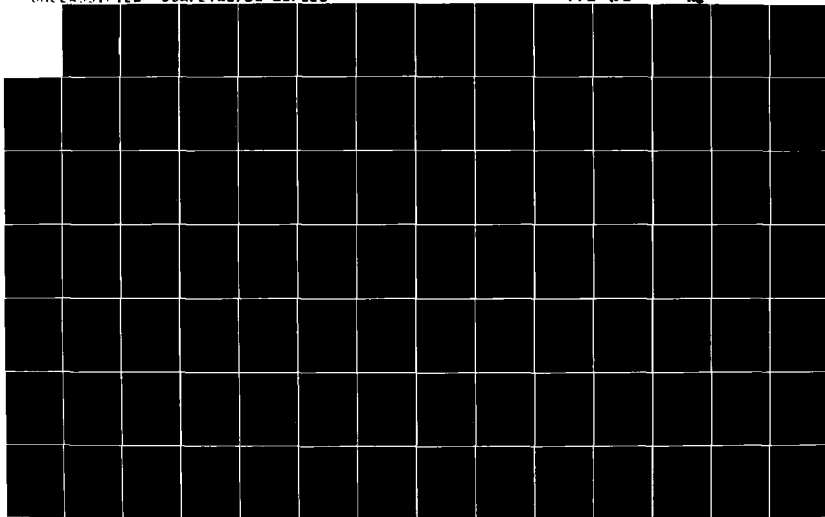
MAXWELL AFB ALABAMA LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (LSOCS...) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUN 85
USAFETAC/DS-85/025

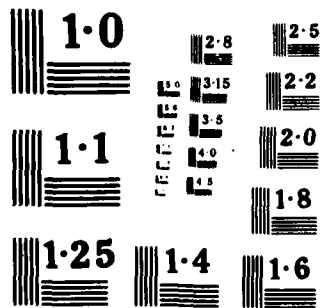
3/4

UNCLASSIFIED

F/G 4/2

12





3

722265
STATION

STATION NAME

PERIOD

MONITOR

| MONTH | HOURS (L S T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. | |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| DEC | 00-02 | | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | | |
| | 06-08 | 18.5 | | | 24.8 | | | | | | 27.7 | 35.9 | 6.2 | 685 |
| | 09-11 | 19.5 | | | 22.8 | | | | | | 27.9 | 33.8 | 6.2 | 841 |
| | 12-14 | 16.1 | | | 26.6 | | | | | | 27.8 | 29.4 | 6.2 | 837 |
| | 15-17 | 15.8 | | | 27.5 | | | | | | 28.9 | 27.8 | 6.2 | 816 |
| | 18-20 | 30.2 | | | 25.5 | | | | | | 15.3 | 29.0 | 5.0 | 772 |
| | 21-23 | 38.6 | | | 21.0 | | | | | | 12.5 | 27.9 | 4.5 | 761 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 23.1 | | | 24.7 | | | | | | 21.5 | 30.6 | 5.7 | 4712 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PSYCHROMETRIC SUMMARIES

PART 4

In this section are presented various summaries of dry and wet-bulb temperatures, dewpoints, and relative humidity. The order and manner of representations follows:

1. Cumulative percentage frequency of occurrence--Derived from available hourly observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths, of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily HIGH temperatures (for available observations)
- b. Daily LOW temperatures (for available observations)
- c. Daily mean temperatures (high + low temperatures divided by two)

2. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and available 3-hour groups with all years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations which contain both dry-bulb and wet-bulb temperatures; and dry-bulb, wet-bulb, and dewpoint temperatures separately. Total observations for these four items are also provided in two lines at the end of each table.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dewpoint temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σX). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dewpoint temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

Continued on Reverse

3. Means and standard deviations--These tabulations are derived from available hourly observations and present the mean, standard deviation, and total number of observations for the 3-hour groups, by month and annual and again at the bottom for all hours combine. Summaries for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, AND DEWPOINT TEMPERATURE.

4. Cumulative percentage frequency of occurrence of relative humidity--This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10 percent classes, plus the mean relative humidity and total number of observations presented by month and available 3-hour groups.

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

722265

MAXWELL AFB AL

STATION

STATION NAME

37-56, 64-85

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

| TEMP (°F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 101 | | | | | | | .1 | | | | | | .0 |
| 100 | | | | | | 1.5 | 3.1 | 2.0 | .4 | | | | .0 |
| 99 | | | | | 2.3 | 19.4 | 25.0 | 17.9 | 7.2 | .2 | | | .0 |
| 98 | | | | .9 | 20.2 | 58.0 | 66.4 | 62.9 | 35.2 | 2.9 | | | 21.7 |
| 97 | | | 2.7 | 16.1 | 50.7 | 82.1 | 92.7 | 91.9 | 68.0 | 16.1 | .3 | | 35.7 |
| 96 | .7 | 1.8 | 14.8 | 42.9 | 79.1 | 97.2 | 98.2 | 98.3 | 35.7 | 46.7 | 6.5 | 1.7 | 48.0 |
| 95 | 5.9 | 9.7 | 31.6 | 65.3 | 91.9 | 99.6 | 99.8 | 100.0 | 94.1 | 67.5 | 22.4 | 8.1 | 58.4 |
| 94 | 15.7 | 22.8 | 52.0 | 82.2 | 97.4 | 99.7 | 100.0 | | 98.1 | 86.1 | 40.9 | 17.5 | 67.8 |
| 93 | 26.9 | 37.9 | 65.6 | 92.7 | 99.7 | 100.0 | | | 99.5 | 94.7 | 60.5 | 31.2 | 75.9 |
| 92 | 41.2 | 55.2 | 81.2 | 98.6 | 100.0 | | | | 99.5 | 95.3 | 76.1 | 48.6 | 83.4 |
| 91 | 57.1 | 73.6 | 90.6 | 99.7 | | | | | 100.0 | 95.3 | 97.7 | 65.6 | 89.3 |
| 90 | 71.7 | 83.3 | 96.5 | 99.9 | | | | | | 100.0 | 95.0 | 82.7 | 94.1 |
| 89 | 86.2 | 93.2 | 99.1 | 100.0 | | | | | | | 98.8 | 92.4 | 97.5 |
| 88 | 93.5 | 98.3 | 99.7 | | | | | | | | 99.5 | 97.6 | 99.0 |
| 87 | 97.5 | 99.7 | 99.9 | | | | | | | | 99.9 | 99.8 | 99.7 |
| 86 | 99.0 | 99.9 | 100.0 | | | | | | | | 100.0 | 100.0 | 99.9 |
| 85 | 99.9 | 100.0 | | | | | | | | | | | 100.0 |
| 84 | 100.0 | | | | | | | | | | | | 100.0 |
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| 2 | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | |
| MEAN | 56.6 | 60.5 | 68.5 | 76.9 | 84.0 | 90.1 | 91.2 | 90.6 | 86.3 | 77.8 | 66.3 | 59.2 | 75.7 |
| S.D. | 11.327 | 10.462 | 9.927 | 7.576 | 6.318 | 5.082 | 4.763 | 4.459 | 6.571 | 7.322 | 9.540 | 10.180 | 14.557 |
| TOTAL OBS | 1227 | 1158 | 1240 | 1199 | 1240 | 1198 | 1240 | 1209 | 1200 | 1239 | 1169 | 1211 | 14530 |

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NATIONAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

STATION NAME MAXWELL AFB AL

DAILY TEMPERATURES

37-56, 64-85 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

| TEMP (°F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 80 | | | | | | 3. | 2. | 1. | | 1. | | | 0 |
| 75 | | | | 1. | 3. | 13.4 | 26.8 | 28.5 | 4.9 | 4. | | | 5.6 |
| 70 | | | 1. | 13.5 | 35.4 | 65.4 | 91.7 | 96.4 | 94.2 | 5.7 | | 3 | 25.9 |
| 65 | 8. | 0. | 3.7 | 11.5 | 42.3 | 90.2 | 99.1 | 98.3 | 71.6 | 17.6 | 2.1 | 1.0 | 37.2 |
| 60 | 4.0 | 3.9 | 13.2 | 32.8 | 73.4 | 97.8 | 100.3 | 100.0 | 89.6 | 34.1 | 7.2 | 4.0 | 47.0 |
| 55 | 9.5 | 10.4 | 27.7 | 55.7 | 89.5 | 99.5 | | | 95.7 | 55.6 | 18.8 | 10.1 | 56.3 |
| 50 | 16.5 | 18.7 | 42.9 | 75.5 | 97.5 | 100.3 | | | 99.2 | 74.3 | 34.2 | 18.1 | 65.0 |
| 45 | 27.5 | 33.5 | 60.4 | 91.2 | 99.9 | | | | 99.8 | 89.1 | 52.0 | 31.6 | 74.0 |
| 40 | 40.3 | 52.3 | 77.0 | 97.7 | 100.0 | | | | 100.0 | 97.2 | 69.3 | 48.4 | 92.0 |
| 35 | 59.3 | 71.7 | 91.2 | 99.8 | | | | | | 99.7 | 86.0 | 67.9 | 99.7 |
| 30 | 68.0 | 78.6 | 95.5 | 99.9 | | | | | | 99.9 | 90.8 | 76.8 | 92.5 |
| 25 | 79.5 | 87.1 | 98.1 | 100.0 | | | | | | 100.0 | 96.1 | 87.7 | 95.7 |
| 20 | 92.4 | 96.4 | 99.5 | | | | | | | | 99.3 | 96.7 | 98.7 |
| 15 | 96.6 | 99.5 | 100.0 | | | | | | | | 99.7 | 99.4 | 99.6 |
| 10 | 98.9 | 99.8 | | | | | | | | | 99.9 | 100.0 | 99.9 |
| 5 | 99.6 | 100.0 | | | | | | | | | 100.0 | | 100.0 |
| 0 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 38.3 | 40.7 | 47.7 | 55.3 | 63.0 | 70.2 | 72.9 | 72.3 | 67.2 | 55.6 | 45.2 | 40.3 | 55.7 |
| S D | 10.990 | 9.681 | 9.740 | 7.667 | 6.079 | 4.332 | 2.657 | 2.910 | 5.927 | 8.667 | 9.820 | 9.984 | 14.866 |
| TOTAL OBS | 1227 | 1156 | 1240 | 1199 | 1240 | 1198 | 1240 | 1209 | 1200 | 1239 | 1169 | 1211 | 14530 |

USAFETAC FORM 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

72265 MAXWELL AFB AL
STATION STATION NAME

37-56, 54-85 YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

| TEMP (°F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 90 | | | | | | .8 | 1.2 | | | | | | .2 |
| 85 | | | | | .5 | 13.9 | 22.0 | 16.0 | 3.2 | .2 | | | 4.7 |
| 80 | | | | .7 | 13.7 | 62.4 | 81.3 | 77.5 | 38.3 | 2.8 | | | 23.1 |
| 75 | | | 2.6 | 11.1 | 47.7 | 93.6 | 98.2 | 97.9 | 70.2 | 14.7 | .5 | .4 | 36.3 |
| 70 | 1.5 | 2.1 | 10.7 | 25.7 | 78.1 | 98.4 | 100.0 | 100.0 | 89.6 | 38.1 | 6.2 | 2.1 | 47.1 |
| 65 | 7.3 | 8.0 | 27.4 | 62.2 | 93.7 | 100.0 | | | 97.1 | 63.5 | 18.3 | 8.2 | 57.4 |
| 60 | 15.1 | 25.0 | 45.8 | 82.7 | 99.2 | | | | 99.1 | 92.6 | 36.1 | 15.5 | 66.7 |
| 55 | 24.8 | 34.5 | 64.6 | 94.4 | 100.0 | | | | 99.9 | 95.1 | 55.8 | 28.8 | 75.0 |
| 50 | 40.6 | 53.2 | 80.5 | 98.9 | | | | | 100.0 | 99.2 | 75.2 | 47.0 | 83.0 |
| 45 | 59.5 | 72.5 | 93.2 | 99.8 | | | | | | 99.9 | 90.0 | 70.7 | 90.6 |
| 40 | 78.9 | 87.9 | 98.1 | 100.0 | | | | | | 100.0 | 96.7 | 89.0 | 95.9 |
| 35 | 91.0 | 96.5 | 99.7 | | | | | | | | 98.9 | 96.0 | 98.5 |
| 30 | 96.3 | 99.3 | 99.9 | | | | | | | | 99.0 | 99.2 | 99.5 |
| 25 | 98.5 | 99.9 | 100.0 | | | | | | | | 99.9 | 99.8 | 99.8 |
| 20 | 99.5 | 100.0 | | | | | | | | | 100.0 | 100.0 | 100.0 |
| 15 | 99.9 | | | | | | | | | | | | 100.0 |
| 10 | 100.0 | | | | | | | | | | | | 100.0 |
| 5 | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | |
| -5 | | | | | | | | | | | | | |
| -10 | | | | | | | | | | | | | |
| -15 | | | | | | | | | | | | | |
| -20 | | | | | | | | | | | | | |
| -25 | | | | | | | | | | | | | |
| -30 | | | | | | | | | | | | | |
| -35 | | | | | | | | | | | | | |
| -40 | | | | | | | | | | | | | |
| -45 | | | | | | | | | | | | | |
| -50 | | | | | | | | | | | | | |
| -55 | | | | | | | | | | | | | |
| -60 | | | | | | | | | | | | | |
| -65 | | | | | | | | | | | | | |
| -70 | | | | | | | | | | | | | |
| -75 | | | | | | | | | | | | | |
| -80 | | | | | | | | | | | | | |
| -85 | | | | | | | | | | | | | |
| -90 | | | | | | | | | | | | | |
| MEAN | 47.6 | 50.8 | 58.2 | 66.2 | 73.6 | 80.3 | 82.1 | 81.6 | 76.9 | 66.8 | 55.9 | 49.6 | 65.8 |
| S D | 10.443 | 9.399 | 9.120 | 6.854 | 5.479 | 4.139 | 3.264 | 3.151 | 5.527 | 7.209 | 8.888 | 9.278 | 14.487 |
| TOTAL OBS | 1227 | 1158 | 1240 | 1199 | 1240 | 1198 | 1240 | 1209 | 1200 | 1239 | 1169 | 1211 | 14530 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

122265 MAXWELL AFB AL
STATION STATION NAME

37-56, 64-85 YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| YEAR | | | | | | | | | | | | | |
| 37 | | * | 80 | 79* | 87 | 98 | 97 | 96 | 92 | 90 | 77 | 72 | |
| 38 | 74 | 77 | 84 | 89 | 94 | 94 | 96 | 101 | 96 | 91 | 85 | 73 | 101 |
| 39 | 75 | 81 | 84 | 85 | 92 | 97 | 100 | 98 | 94 | 91 | 78 | 75 | 100 |
| 40 | 67 | 73 | 82 | 88 | 92 | 94 | 98 | 97 | 97 | 97 | 79 | 73 | 98 |
| 41 | 70 | 67 | 75 | 87 | 96 | 96 | 97 | 97 | 97 | 94 | 75 | 76 | 97 |
| 42 | | | | | | | | | 95 | 95 | 82 | 79 | |
| 43 | 79 | 77 | 83 | 93 | 92 | 99 | 102 | 102 | 93 | 88 | 83 | 78 | 102 |
| 44 | 74 | 81 | 90 | 86 | 94 | 102 | 100 | 97 | 96 | 90 | 80 | 74 | 102 |
| 45 | 69 | 82 | 88 | 88 | 96 | 100 | 97 | 97 | 98 | 89 | 84 | 65 | 100 |
| 46 | 77 | 77 | 86 | 89 | 91 | 95 | 94 | 95 | 92 | 85 | 83 | 77 | 95 |
| 47 | 79 | 72 | 85 | 88 | 92 | 96 | 96 | 103 | 97 | 89 | 75 | 75 | 103 |
| 48 | 71 | 82 | 86 | 88 | 95 | 98 | 94 | 92 | 92 | 85 | 83 | 77 | 99 |
| 49 | 80 | 79 | 85 | 87 | 93 | 94 | 96 | 95 | 92 | 89 | 79 | 75 | 98 |
| 50 | 81 | 80 | 85 | 85 | 91 | 99 | 96 | 95 | 95 | 85 | 84 | 76 | 99 |
| 51 | 74 | 80 | 85 | 89 | 97 | 98 | 99 | 101 | 99 | 91 | 80 | 82 | 101 |
| 52 | 78 | 78 | 83 | 88 | 93 | 102 | 104 | 100 | 92 | 91 | 82 | 75 | 104 |
| 53 | 76 | 75 | 82 | 89 | 98 | 99 | 100 | 100 | 97 | 97 | 79 | 75 | 100 |
| 54 | 74 | 80 | 88 | 89 | 97 | 104 | 100 | 103 | 100 | 96 | 77 | 75 | 104 |
| 55 | 75 | 76 | 86 | 90 | 93 | 93 | 98 | 97 | 96 | 90 | 83 | 76 | 98 |
| 56 | 73 | 81 | 85 | 88 | 95 | 98 | 97 | | | | | | |
| 64 | 68 | 69 | 81 | 85 | 93 | 98 | 91 | 95 | 95 | 94 | 80 | 75 | 98 |
| 65 | 79 | 77 | 92 | 97 | 93 | 92 | 93 | 94 | 93 | 85 | 84 | 75 | 94 |
| 66 | 77 | 78 | 82 | 88 | 92 | 95 | 105 | 95 | 95 | 87 | 79 | 76 | 105 |
| 67 | 77 | 78 | 87 | 89 | 93 | 95 | 91 | 92 | 89 | 87 | 84 | 73 | 95 |
| 68 | 71 | 69 | 85 | 85 | 88* | 98 | 100 | 98 | 94 | 89 | 82 | 75 | 100 |
| 69 | 75 | 78 | 86 | 88 | 96 | 104 | 103 | 93 | 95 | 87 | 74 | | |
| 70 | 74 | 72 | 79 | 92 | 95 | 97 | 99 | 94 | 95 | 91 | 76 | 81 | 99 |
| 71 | 92 | 80 | 77 | 87 | 90 | 96 | 100 | 93 | 92 | 91 | 87 | 83 | 100 |
| 72 | 79 | 81 | 82 | 92 | 88 | 98 | 97 | 97 | 97 | 88 | 83 | 80 | 98 |
| 73 | 73 | 71 | 86 | 82 | 89 | 91 | 94 | 94 | 93 | 91 | 83 | 77 | 94 |
| MEAN | | | | | | | | | | | | | |
| SD | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

222255
STATION

WALLACE AFB AL
STATION NAME

~~37-56, 64-65~~

YEARS

HOLD DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

4 (AT LEAST ONE DAY LESS THAN 24 HRS)

JOURNAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72-85
STATION

MAXWELL AFB AL
STATION NAME

37-56, 64-85
YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|
| 37 | | 20 | 30* | 39 | 53 | 67 | 62 | 66 | 53 | 32 | 23 | 15 | |
| 38 | 22 | 27 | 32 | 29 | 52 | 63 | 68 | 67 | 52 | 32 | 21 | 27 | 21 |
| 39 | 22 | 26 | 36 | 36 | 45 | 68 | 70 | 63 | 60 | 36 | 29 | 26 | 26 |
| 40 | 14 | 26 | 31 | 32 | 44 | 59 | 64 | 65 | 48 | 44 | 22 | 31 | 10 |
| 41 | 27 | 25 | 26 | 45 | 47 | 64 | 71 | 68 | 62 | 48 | 30 | 30 | 26 |
| 42 | | | | | | | | | 47 | 35 | 33 | 26 | |
| 43 | 22 | 21 | 20 | 38 | 50 | 69 | 64 | 63 | 54 | 34 | 20 | 20 | 20 |
| 44 | 27 | 25 | 33 | 38 | 48 | 62 | 65 | 65 | 62 | 43 | 34 | 22 | 22 |
| 45 | 20 | 26 | 38 | 43 | 47 | 62 | 70 | 65 | 59 | 45 | 27 | 17 | 17 |
| 46 | 20 | 31 | 39 | 44 | 51 | 57 | 66 | 61 | 54 | 44 | 33 | 32 | 26 |
| 47 | 24 | 19 | 24 | 45 | 47 | 60 | 62 | 70 | 50 | 52 | 32 | 31 | 19 |
| 48 | 10 | 30 | 32 | 47 | 52 | 63 | 71 | 64 | 52 | 36 | 37 | 20 | 10 |
| 49 | 29 | 30 | 31 | 39 | 53 | 63 | 71 | 66 | 45 | 44 | 29 | 26 | 28 |
| 50 | 33 | 33 | 32 | 36 | 61 | 61 | 65 | 64 | 57 | 49 | 14 | 21 | 14 |
| 51 | 23 | 12 | 33 | 34 | 51 | 67 | 69 | 67 | 57 | 45 | 25 | 21 | 12 |
| 52 | 24 | 31 | 34 | 38 | 44 | 68 | 69 | 62 | 50 | 33 | 21 | 21 | 23 |
| 53 | 20 | 29 | 39 | 39 | 54 | 65 | 65 | 64 | 50 | 32 | 35 | 21 | 21 |
| 54 | 27 | 27 | 24 | 43 | 44 | 57 | 71 | 69 | 59 | 35 | 26 | 25 | 25 |
| 55 | 24 | 21 | 24 | 45 | 53 | 58 | 66 | 70 | 60 | 38 | 23 | 22 | 21 |
| 56 | 20 | 34 | 34 | 42 | 51 | 52 | 67 | | | | | | |
| 64 | 19 | 23 | 30 | 42 | 51 | 57 | 66 | 65 | 53 | 37 | 27 | 23 | 19 |
| 65 | 17 | 22 | 24 | 43 | 44 | 58 | 58 | 66 | 53 | 36 | 27 | 22 | 17 |
| 66 | 7 | 23 | 27 | 39 | 44 | 52 | 68 | 61 | 57 | 43 | 28 | 14 | 7 |
| 67 | 24 | 20 | 32 | 46 | 54 | 61 | 61 | 65 | 42 | 40 | 32 | 26 | 20 |
| 68 | 23 | 21 | 23 | 41 | 48* | 59 | 69 | 60 | 56 | 33 | 27 | 21 | 27 |
| 69 | 18 | 29 | 23 | 46 | 52 | 57 | 71 | 64 | 54 | 45 | 29 | | |
| 70 | 10 | 17 | 31 | 40 | 52 | 57 | 62 | 69 | 54 | 46 | 17 | 24 | 10 |
| 71 | 16 | 19 | 28 | 36 | 44 | 64 | 67 | 67 | 60 | 41 | 28 | 33 | 19 |
| 72 | 10 | 24 | 33 | 38 | 53 | 52 | 64 | 68 | 55 | 45 | 32 | 26 | 10 |
| 73 | 24 | 24 | 36 | 33 | 47 | 64 | 70 | 65 | 54 | 40 | 38 | 25 | 23 |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

FROM DAILY OBSERVATIONS

37-50, 64-85 YEARS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL
STATION NAME

76-85
YEARS

MONTH

PAGE 1

JAN
0600-0600
HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|--------|--|--|--|--|--|-------|--|--|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 60 / 65 | | .7 | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | |
| 64 / 65 | | 1.1 | .1 | | | | | | | | | | | | | | | 10 | 10 | 6 | 4 | | | | | | | | | | | | | |
| 62 / 61 | .1 | 1.0 | .3 | | | | | | | | | | | | | | | 11 | 11 | 9 | 7 | | | | | | | | | | | | | |
| 60 / 59 | .5 | .5 | .7 | | | | | | | | | | | | | | | 10 | 10 | 12 | 10 | | | | | | | | | | | | | |
| 58 / 57 | .3 | .5 | .3 | | | | | | | | | | | | | | | 3 | 3 | 10 | 11 | | | | | | | | | | | | | |
| 56 / 55 | | 1.4 | .3 | | .1 | | | | | | | | | | | | | 14 | 14 | 5 | 6 | | | | | | | | | | | | | |
| 54 / 53 | | 2.3 | .1 | .1 | | .1 | .1 | | | | | | | | | | | 22 | 22 | 12 | 9 | | | | | | | | | | | | | |
| 52 / 51 | .3 | 2.0 | .5 | | | | | | | | | | | | | | | 21 | 23 | 26 | 21 | | | | | | | | | | | | | |
| 50 / 49 | .1 | 1.6 | .5 | .5 | | .5 | .7 | | | | | | | | | | | 26 | 26 | 17 | 23 | | | | | | | | | | | | | |
| 48 / 47 | | 2.2 | 1.4 | .1 | | | | | | | | | | | | | | 30 | 30 | 18 | 3 | | | | | | | | | | | | | |
| 46 / 45 | .3 | 2.1 | .3 | | | | | | | | | | | | | | | 28 | 23 | 30 | 11 | | | | | | | | | | | | | |
| 44 / 43 | .3 | 1.0 | 1.4 | .6 | | | | | | | | | | | | | | 29 | 29 | 29 | 23 | | | | | | | | | | | | | |
| 42 / 41 | .3 | 2.5 | 2.1 | .6 | .3 | | | | | | | | | | | | | 50 | 50 | 30 | 34 | | | | | | | | | | | | | |
| 40 / 39 | .1 | 3.9 | 2.6 | .5 | | | | | | | | | | | | | | 58 | 58 | 36 | 24 | | | | | | | | | | | | | |
| 38 / 37 | .3 | 2.8 | 1.4 | 1.4 | .4 | | | | | | | | | | | | | 51 | 51 | 60 | 31 | | | | | | | | | | | | | |
| 36 / 35 | .3 | 3.3 | 2.3 | 1.5 | .3 | | | | | | | | | | | | | 62 | 62 | 54 | 41 | | | | | | | | | | | | | |
| 34 / 33 | .3 | 4.4 | 2.5 | 1.3 | .4 | | | | | | | | | | | | | 63 | 68 | 53 | 43 | | | | | | | | | | | | | |
| 32 / 31 | .6 | 5.8 | 4.5 | 1.3 | | | | | | | | | | | | | | 47 | 57 | 70 | 31 | | | | | | | | | | | | | |
| 30 / 29 | .5 | 2.4 | 4.5 | .6 | | | | | | | | | | | | | | 67 | 67 | 82 | 57 | | | | | | | | | | | | | |
| 28 / 27 | .3 | 2.4 | 1.3 | .1 | | | | | | | | | | | | | | 36 | 36 | 57 | 32 | | | | | | | | | | | | | |
| 26 / 25 | .3 | .5 | 1.3 | .3 | | | | | | | | | | | | | | 21 | 23 | 74 | 44 | | | | | | | | | | | | | |
| 24 / 23 | .1 | .6 | 1.3 | | | | | | | | | | | | | | | 14 | 14 | 75 | 31 | | | | | | | | | | | | | |
| 22 / 21 | | .4 | 1.3 | | | | | | | | | | | | | | | 16 | 16 | 71 | 52 | | | | | | | | | | | | | |
| 20 / 19 | | 1.0 | 1.3 | .1 | | | | | | | | | | | | | | 20 | 20 | 16 | 54 | | | | | | | | | | | | | |
| 18 / 17 | | .5 | .4 | | | | | | | | | | | | | | | 7 | 7 | 19 | 25 | | | | | | | | | | | | | |
| 16 / 15 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 6 | 26 | | | | | | | | | | | | | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | 5 | 34 | | | | | | | | | | | | | |
| 12 / 11 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | 16 | | | | | | | | | | | | | |
| 10 / 9 | | .3 | .1 | | | | | | | | | | | | | | | 3 | 3 | 1 | 15 | | | | | | | | | | | | | |
| 8 / 7 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 14 | | | | | | | | | | | | | |
| 6 / 5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 4 | 7 | | | | | | | | | | | | | |
| 4 / 3 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 4 | | | | | | | | | | | | | |
| 2 / 1 | | | | | | | | | | | | | | | | | | | | 1 | 5 | | | | | | | | | | | | | |
| 0 / -1 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Element (X) | Σ X' | | Σ X | | Σ | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | | | | | Total | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0 26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

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MONTH

PAGE 2

600-285
HOURS 12.5 T.F.

[illegible]

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

772265 MEADOW AFB AL 76-85 FEB 1977
STATION STATION NAME YEARS MONTH

PAGE 1 1976-1977
HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|--------------|-------------------------------------|------|-----|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|-------|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 1.310 | 121. | 24. | 119. | 411.7 | 5.2 | 0.8 | .3 | .2 | | | | | | | | | 845 | 847 | 849 | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 3434624 | 51936 | 61.1 | 17.551 | 849 | | | | | | | |
| Dry Bulb | 2175163 | 41985 | 49.5 | 10.800 | 849 | | 3.9 | 5.4 | .9 | | | 84 |
| Wet Bulb | 1693879 | 36919 | 43.5 | 10.195 | 849 | | 12.4 | .2 | | | | 84 |
| Dew Point | 1227939 | 30269 | 35.7 | 13.244 | 849 | | 35.3 | .1 | | | | 84 |

PSYCHROMETRIC SUMMARY

702265
STATION

MAXWELL AFB AL

STATION NAME

76-85

YEARS

FEB
MONTH

PAGE 1 2900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MONTH

2170-2360

HOURS (L. S. T.)

[illegible]

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATIONMAXWELL AFB AL
STATION NAME76-85
YEARS

YEARS

JAN
MONTHPAGE 1 2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 68 / 65 | | .2 | .2 | .2 | .1 | | | | | | | | | | | | | | | 7 | 7 | | | |
| 64 / 63 | | .2 | .3 | .2 | | | | | | | | | | | | | | | | 7 | 7 | 3 | 2 | |
| 62 / 61 | | .2 | .3 | .3 | .1 | | | | | | | | | | | | | | | 16 | 16 | 5 | 2 | |
| 60 / 59 | .3 | .9 | | .5 | .1 | | | | | | | | | | | | | | | 16 | 16 | 19 | 9 | |
| 58 / 57 | .3 | .2 | .3 | .6 | .6 | .1 | .2 | | | | | | | | | | | | | 21 | 21 | 15 | 19 | |
| 56 / 55 | | .7 | .5 | .5 | .9 | | | | | | | | | | | | | | | 22 | 22 | 5 | 5 | |
| 54 / 53 | | 1.0 | .5 | .1 | .2 | .1 | .1 | | | | | | | | | | | | | 18 | 18 | 14 | 9 | |
| 52 / 51 | | 2.6 | 1.4 | .6 | | .1 | .2 | | | | | | | | | | | | | 43 | 43 | 28 | 14 | |
| 50 / 49 | .2 | 1.4 | 1.8 | .9 | 1.3 | .6 | | | | | | | | | | | | | | 54 | 54 | 37 | 28 | |
| 48 / 47 | .2 | 1.9 | 1.4 | .6 | .8 | .9 | | | | | | | | | | | | | | 51 | 51 | 40 | 26 | |
| 46 / 45 | .2 | .5 | 1.3 | 1.5 | .8 | .1 | | | | | | | | | | | | | | 38 | 38 | 34 | 23 | |
| 44 / 43 | .3 | 2.6 | 3.0 | 2.5 | | .1 | .1 | | | | | | | | | | | | | 76 | 76 | 34 | 36 | |
| 42 / 41 | .5 | 1.8 | 2.5 | 1.3 | .6 | .5 | | | | | | | | | | | | | | 61 | 61 | 63 | 36 | |
| 40 / 39 | .3 | 2.4 | 3.9 | 2.1 | .8 | | | | | | | | | | | | | | | 63 | 63 | 72 | 38 | |
| 38 / 37 | .1 | 1.6 | 1.9 | 1.9 | .8 | | | | | | | | | | | | | | | 56 | 56 | 72 | 34 | |
| 36 / 35 | .2 | 1.6 | 2.7 | 2.1 | .3 | | | | | | | | | | | | | | | 61 | 61 | 73 | 43 | |
| 34 / 33 | .1 | 2.2 | 2.1 | 3.1 | 1.0 | | | | | | | | | | | | | | | 74 | 74 | 55 | 61 | |
| 32 / 31 | .1 | 2.1 | 3.1 | 2.6 | .3 | | | | | | | | | | | | | | | 74 | 74 | 65 | 67 | |
| 30 / 29 | .3 | .3 | 1.9 | 1.5 | | | | | | | | | | | | | | | | 35 | 35 | 72 | 57 | |
| 28 / 27 | .1 | .6 | 1.3 | 1.0 | | | | | | | | | | | | | | | | 26 | 26 | 50 | 42 | |
| 26 / 25 | | | 1.3 | .2 | | | | | | | | | | | | | | | | 11 | 11 | 50 | 46 | |
| 24 / 23 | | .2 | .6 | | | | | | | | | | | | | | | | | 7 | 7 | 31 | 37 | |
| 22 / 21 | | .1 | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 17 | 35 | |
| 20 / 19 | | .2 | .6 | | | | | | | | | | | | | | | | | 7 | 7 | 6 | 43 | |
| 18 / 17 | | .2 | .1 | | | | | | | | | | | | | | | | | 3 | 3 | 8 | 22 | |
| 16 / 15 | | .1 | .2 | | | | | | | | | | | | | | | | | 3 | 3 | 9 | 27 | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | | | 1 | 38 | |
| 12 / 11 | | | | | | | | | | | | | | | | | | | | | | 2 | 37 | |
| 10 / 9 | | | .2 | | | | | | | | | | | | | | | | | 2 | 2 | | 19 | |
| 8 / 7 | | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 10 | |
| 6 / 5 | | | | | | | | | | | | | | | | | | | | | | 2 | 4 | |
| 4 / 3 | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 2 / 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| -4 / -5 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Element (X) | Σ X' | | Σ X | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL

76-85

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1800-2000

1958-250
HOURS (L - S - T)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | 3 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | 1 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | | 1 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | | 1 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 3.0 | 18.0 | 23.4 | 24.7 | 19.8 | 9.1 | 2.7 | .3 | | | | | | | | | | | 881 | | 881 | 881 |
| | | | | | | | | | | | | | | | | | | 881 | | 881 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
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3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL
STATION STATION NAME

76-85

YEARS

JAN
MONTH

PAGE 1 1820-2020
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | | | | | | | |
|------------------------------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--------|-------|--------|--|--------|--|--------|--|--------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | |
| 72/ 71 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| 69/ 67 | | | .1 | | | .2 | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | |
| 66/ 65 | | .5 | .7 | .5 | .2 | | | | | | | | | | | | | 12 | 12 | 1 | | | | | | | | | | | | | |
| 64/ 63 | | .2 | .6 | .1 | .1 | .2 | | | | | | | | | | | | 11 | 11 | 7 | 4 | | | | | | | | | | | | |
| 62/ 61 | .2 | .3 | .1 | .2 | .6 | .1 | .1 | .1 | | | | | | | | | | 16 | 16 | 5 | 6 | | | | | | | | | | | | |
| 60/ 59 | .1 | .7 | .5 | .7 | .2 | .1 | .3 | | | | | | | | | | | 23 | 23 | 13 | 5 | | | | | | | | | | | | |
| 58/ 57 | .1 | .5 | .1 | .2 | .8 | .6 | | .1 | | | | | | | | | | 21 | 21 | 16 | 14 | | | | | | | | | | | | |
| 56/ 55 | | 1.6 | .7 | .7 | .8 | .5 | .3 | | | | | | | | | | | 40 | 40 | 12 | 7 | | | | | | | | | | | | |
| 54/ 53 | | 1.4 | 1.1 | .3 | .5 | .9 | .2 | .1 | | | | | | | | | | 40 | 40 | 26 | 12 | | | | | | | | | | | | |
| 52/ 51 | | 2.0 | 1.1 | .2 | .7 | .9 | .6 | | | | | | | | | | | 51 | 51 | 29 | 25 | | | | | | | | | | | | |
| 50/ 49 | .1 | .9 | 1.1 | 1.0 | 1.2 | 1.4 | .3 | | | | | | | | | | | 54 | 54 | 46 | 23 | | | | | | | | | | | | |
| 48/ 47 | .9 | .9 | 1.9 | 1.8 | 1.2 | 1.1 | .2 | | | | | | | | | | | 72 | 72 | 43 | 35 | | | | | | | | | | | | |
| 46/ 45 | .3 | 1.4 | 1.8 | 1.4 | 2.8 | .7 | | | | | | | | | | | | 74 | 74 | 41 | 28 | | | | | | | | | | | | |
| 44/ 43 | .1 | 1.4 | 2.3 | 2.3 | 1.5 | .5 | .3 | | | | | | | | | | | 73 | 73 | 62 | 20 | | | | | | | | | | | | |
| 42/ 41 | .3 | 1.0 | 2.2 | 1.9 | 1.5 | .3 | | | | | | | | | | | | 64 | 64 | 64 | 46 | | | | | | | | | | | | |
| 40/ 39 | | 1.2 | 2.2 | 2.2 | 2.2 | .3 | | | | | | | | | | | | 71 | 71 | 51 | 42 | | | | | | | | | | | | |
| 38/ 37 | | 1.1 | 1.4 | 2.6 | 1.1 | .2 | | | | | | | | | | | | 57 | 57 | 83 | 37 | | | | | | | | | | | | |
| 36/ 35 | .3 | .8 | 1.7 | 2.0 | 2.6 | | | | | | | | | | | | | 66 | 66 | 60 | 40 | | | | | | | | | | | | |
| 34/ 33 | | .2 | .7 | 1.4 | 1.0 | | | | | | | | | | | | | 29 | 29 | 60 | 41 | | | | | | | | | | | | |
| 32/ 31 | | 1.4 | .3 | 3.2 | .7 | | | | | | | | | | | | | 49 | 49 | 56 | 73 | | | | | | | | | | | | |
| 30/ 29 | .3 | | .9 | .8 | | | | | | | | | | | | | | 18 | 18 | 57 | 50 | | | | | | | | | | | | |
| 28/ 27 | | .1 | .6 | .7 | | | | | | | | | | | | | | 12 | 12 | 36 | 54 | | | | | | | | | | | | |
| 26/ 25 | | | .2 | .3 | | | | | | | | | | | | | | 5 | 5 | 39 | 45 | | | | | | | | | | | | |
| 24/ 23 | | .3 | .6 | | | | | | | | | | | | | | | 8 | 8 | 18 | 32 | | | | | | | | | | | | |
| 22/ 21 | | .1 | .7 | .1 | | | | | | | | | | | | | | 4 | 4 | 12 | 28 | | | | | | | | | | | | |
| 20/ 19 | | | .3 | | | | | | | | | | | | | | | 3 | 3 | 6 | 50 | | | | | | | | | | | | |
| 18/ 17 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 4 | 17 | | | | | | | | | | | | |
| 16/ 15 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 1 | 26 | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 1 | 30 | | | | | | | | | | | | |
| 12/ 11 | | | .2 | | | | | | | | | | | | | | | 2 | 2 | 1 | 43 | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | 2 | 10 | | | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 0 F | | | | | | | | | | | | | | | | | | | | | | ≤ 32 F | | ≤ 67 F | | ≤ 73 F | | ≤ 80 F | | ≤ 93 F | | Total | |

USAFETAC FORM 0-26-5 (OLA) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

122265 MAXWELL AFB AL

76-85

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 7 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL
STATION NAME

76-85
YEARS

YEARS

JAN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|----------|-----------|------------------------------------|--------------------|--------|--------|--------|--------|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | |
| 78/ 77 | | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| 76/ 75 | | | | .2 | .2 | | | | | | | | | | | | | | 4 | 4 | | | | | | | |
| 74/ 73 | | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| 72/ 71 | | | .3 | .1 | | | .3 | | | | | | | | | | | | 7 | 7 | | | | | | | |
| 70/ 69 | | .1 | | | .2 | | .5 | .1 | .5 | .2 | | | | | | | | | 14 | 14 | 3 | | | | | | |
| 68/ 67 | | .1 | | .3 | .3 | .1 | | .2 | | .6 | | | | | | | | | 15 | 15 | 7 | | | | | | |
| 66/ 65 | | .2 | .3 | .6 | .1 | .3 | .2 | .1 | | | | | | | | | | | 17 | 17 | 2 | | | | | | |
| 64/ 63 | .1 | .3 | .2 | .2 | .5 | 1.6 | .6 | .6 | .3 | | | | | | | | | | 39 | 39 | 3 | | | | | | |
| 62/ 61 | | .3 | .3 | .5 | .3 | .3 | .2 | .6 | .1 | | | | | | | | | | 24 | 24 | 15 | | | | | | |
| 60/ 59 | | 1.2 | .3 | .7 | .9 | 1.6 | .5 | .7 | .3 | .1 | | | | | | | | | 56 | 56 | 18 | | | | | | |
| 58/ 57 | | .7 | .5 | .7 | .6 | .6 | .6 | .6 | .5 | .1 | | | | | | | | | 41 | 41 | 20 | | | | | | |
| 56/ 55 | | .5 | .9 | .3 | .9 | .5 | 1.7 | 1.4 | | | | | | | | | | | 55 | 55 | 28 | | | | | | |
| 54/ 53 | | 1.2 | .5 | | .8 | 1.4 | 2.0 | .8 | | | | | | | | | | | 60 | 60 | 42 | | | | | | |
| 52/ 51 | | .5 | .9 | .5 | .7 | 1.4 | 1.4 | .3 | | | | | | | | | | | 49 | 49 | 36 | | | | | | |
| 50/ 49 | | .3 | 1.7 | .6 | 1.1 | 2.6 | 1.5 | .5 | | | | | | | | | | | 73 | 73 | 42 | | | | | | |
| 48/ 47 | .3 | 1.4 | .2 | 1.5 | 1.8 | 1.5 | 1.6 | .5 | | | | | | | | | | | 83 | 83 | 48 | | | | | | |
| 46/ 45 | .2 | 2.3 | .6 | .8 | 1.2 | 1.8 | 1.1 | | | | | | | | | | | | 71 | 71 | 59 | | | | | | |
| 44/ 43 | .1 | 1.4 | .2 | .9 | 1.1 | 1.6 | 1.0 | | | | | | | | | | | | 56 | 56 | 82 | | | | | | |
| 42/ 41 | | .3 | 1.7 | .3 | 1.1 | 1.5 | .7 | | | | | | | | | | | | 50 | 50 | 85 | | | | | | |
| 40/ 39 | | | .9 | .3 | 1.6 | 1.6 | .1 | | | | | | | | | | | | 39 | 39 | 64 | | | | | | |
| 38/ 37 | | .3 | .8 | .8 | 1.1 | 1.7 | | | | | | | | | | | | | 38 | 38 | 62 | | | | | | |
| 36/ 35 | | .7 | .1 | .6 | 1.7 | .8 | | | | | | | | | | | | | 34 | 34 | 58 | | | | | | |
| 34/ 33 | | | | .1 | 1.4 | | | | | | | | | | | | | | 13 | 13 | 51 | | | | | | |
| 32/ 31 | .1 | .8 | .6 | .1 | .8 | | | | | | | | | | | | | | 21 | 21 | 45 | | | | | | |
| 30/ 29 | .1 | .8 | | .3 | .5 | | | | | | | | | | | | | | 11 | 11 | 44 | | | | | | |
| 28/ 27 | | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | 31 | | | | | | |
| 26/ 25 | | .2 | .2 | .3 | | | | | | | | | | | | | | | 7 | 7 | 16 | | | | | | |
| 24/ 23 | | .1 | | .1 | | | | | | | | | | | | | | | 2 | 2 | 11 | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| 18/ 17 | | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| 16/ 15 | | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X' | | | | Σ X | | | | Σ | | | | Σ | | | | No. Obs. | | | | Mean No. of Hours with Temperature | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | ≥ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATIONMAXWELL AFB AL
STATION NAME76-85
YEARSJAN
MONTHPAGE 2 1270-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | > 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 22 | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 27 | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| -6/ -9 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| TOTAL | .9 | 13.2 | 13.5 | 13.4 | 22.4 | 17.8 | 11.7 | 4.5 | 1.7 | .9 | | | | | | | | 898 | 897 | 888 | | | | |
| Element (X) | Σx^2 | Σx | \bar{x} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | |
| Rel. Hum. | 2958449 | 47765 | 53.82 | 0.947 | 888 | $\leq 0 F$ | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ | | | | | | | | | | | | | |
| Dry Bulb | 2211969 | 43365 | 48.71 | 0.554 | 890 | | 5.6 | 4.2 | 1.0 | | | 93 | | | | | | | | | | | | |
| Wet Bulb | 1633308 | 36984 | 41.71 | 0.229 | 888 | | 18.4 | 1.3 | | | | 93 | | | | | | | | | | | | |
| Dew Point | 1057268 | 27584 | 31.11 | 0.32 | 888 | .9 | 50.5 | .4 | | | | 93 | | | | | | | | | | | | |

USAFETAC FORM 44 JAN 64 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

772265
STATION

MAXWELL AFB AL

76-45

YEARS

JAN
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|------|-----------|----------|----------|-----------|--------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 78 / 77 | | | | | .2 | | | | | | | | | | | | | 2 | 2 | | | | | | |
| 76 / 75 | | | | .1 | | .1 | | | | | | | | | | | | 2 | 2 | | | | | | |
| 74 / 73 | | | | .7 | | | | | | | | | | | | | | 6 | 6 | | | | | | |
| 72 / 71 | | .1 | .1 | | .1 | | .3 | | | | | | | | | | | 6 | 6 | 1 | | | | | |
| 70 / 69 | | .1 | .2 | .1 | .1 | | .5 | | .1 | .1 | | | | | | | | 11 | 11 | 3 | | | | | |
| 68 / 67 | | | .2 | .2 | .2 | .1 | .1 | .2 | | .3 | | | | | | | | 13 | 13 | 8 | 4 | | | | |
| 66 / 65 | | .3 | .3 | .3 | .2 | .3 | .1 | .7 | .3 | .2 | | | | | | | | 26 | 26 | 5 | 5 | | | | |
| 64 / 63 | | .2 | .5 | .3 | .7 | .6 | .2 | .2 | .2 | | | | | | | | | 26 | 26 | 7 | 8 | | | | |
| 62 / 61 | | .6 | .4 | .3 | 1.2 | .5 | .7 | .5 | .2 | | | | | | | | | 42 | 42 | 7 | 4 | | | | |
| 60 / 59 | .1 | .6 | .7 | .9 | 1.0 | .8 | .3 | .6 | .1 | .2 | | | | | | | | 47 | 47 | 21 | 10 | | | | |
| 58 / 57 | .2 | .5 | .2 | .5 | .8 | .7 | .8 | .1 | .5 | | | | | | | | | 37 | 37 | 26 | 14 | | | | |
| 56 / 55 | .1 | .8 | .6 | .7 | .6 | 1.2 | 1.1 | .7 | .2 | | | | | | | | | 53 | 53 | 29 | 21 | | | | |
| 54 / 53 | | 1.0 | .2 | | 1.1 | .5 | 1.2 | .7 | | | | | | | | | | 43 | 43 | 35 | 13 | | | | |
| 52 / 51 | | .3 | .7 | .1 | 1.8 | 1.7 | 1.2 | .6 | | | | | | | | | | 51 | 51 | 41 | 22 | | | | |
| 50 / 49 | | .5 | 1.5 | .6 | 1.4 | 1.6 | 1.4 | .2 | | | | | | | | | | 62 | 62 | 36 | 24 | | | | |
| 48 / 47 | | 1.7 | 1.2 | .6 | 1.1 | 1.7 | 1.5 | .1 | | | | | | | | | | 70 | 70 | 44 | 26 | | | | |
| 46 / 45 | .2 | 1.7 | .7 | .8 | 1.6 | 1.5 | 1.0 | | | | | | | | | | | 56 | 66 | 67 | 36 | | | | |
| 44 / 43 | | 1.4 | 1.5 | 1.4 | 1.7 | 1.5 | 1.1 | | | | | | | | | | | 75 | 75 | 68 | 31 | | | | |
| 42 / 41 | | .8 | 1.0 | .6 | 1.5 | 2.1 | .1 | | | | | | | | | | | 54 | 54 | 62 | 37 | | | | |
| 40 / 39 | | .6 | 1.1 | .6 | 2.3 | 1.9 | | | | | | | | | | | | 57 | 57 | 72 | 35 | | | | |
| 38 / 37 | | .9 | .2 | .8 | .8 | 1.2 | | | | | | | | | | | | 31 | 31 | 69 | 38 | | | | |
| 36 / 35 | .1 | .2 | .2 | 1.4 | 1.5 | .5 | | | | | | | | | | | | 34 | 34 | 55 | 42 | | | | |
| 34 / 33 | | .2 | .2 | .7 | 1.4 | | | | | | | | | | | | | 22 | 22 | 56 | 39 | | | | |
| 32 / 31 | .1 | .6 | .5 | 1.0 | .8 | | | | | | | | | | | | | 26 | 26 | 57 | 45 | | | | |
| 30 / 29 | | .1 | .1 | .3 | .3 | | | | | | | | | | | | | 8 | 17 | 37 | 45 | | | | |
| 28 / 27 | | .3 | | .2 | | | | | | | | | | | | | | 5 | 5 | 34 | 34 | | | | |
| 26 / 25 | | .1 | .1 | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 24 | 34 | | | | |
| 24 / 23 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | 8 | 22 | | | | |
| 22 / 21 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 7 | 41 | | | | |
| 20 / 19 | | .1 | .3 | | | | | | | | | | | | | | | 4 | 4 | 1 | 64 | | | | |
| 18 / 17 | | | .2 | | | | | | | | | | | | | | | 2 | 2 | 3 | 34 | | | | |
| 16 / 15 | | | | | | | | | | | | | | | | | | | | 3 | 42 | | | | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | 2 | 28 | | | | |
| 12 / 11 | | | | | | | | | | | | | | | | | | | | | 17 | | | | |
| Element (X) | Σ x' | | | Σ x | | Σ | | Σ _A | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

722265 MAXWELL AFE AL

76-85

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0900-1100

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 27 - 1 | | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 27 - 1 | | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 27 - 2 | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 27 - 3 | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 27 - 4 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 27 - 5 | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 27 - 6 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 27 - 7 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 27 - 8 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 27 - 9 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 27 - 10 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 27 - 11 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| TOTAL | 2.024 | 2.26 | 7.25 | 1.13 | 9.6 | 1.1 | .8 | .5 | .1 | | | | | | | | | 887 | 887 | 887 | 887 | | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

722265
STATION

MAXWELL AFB AL
STATION NAME

76-85
YEARS

JAN
MONTH

PAGE 1 0900-1101
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|----------------|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|----------|----------|-----------|--------|-------|--|--|--|--|--|--|--|--|--|----|----|--------------------|-------|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | |
| 75/ 69 | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 5 | | | | |
| 63/ 67 | | .7 | .1 | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 2 | 1 | | |
| 66/ 65 | .1 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 3 | 10 | 6 | | |
| 64/ 63 | .1 | 1.0 | .5 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 4 | 9 | | |
| 62/ 61 | | .7 | .2 | .3 | .2 | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 11 | 4 | | |
| 65/ 59 | .1 | .6 | .3 | .2 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 11 | 9 | | |
| 54/ 57 | .1 | 1.2 | .3 | .1 | .1 | .5 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 13 | 11 | | |
| 56/ 55 | | 1.6 | .6 | 1.0 | .6 | .3 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 40 | 40 | 24 | 14 | | |
| 64/ 53 | | 1.1 | .5 | .7 | .3 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 19 | 16 | | |
| 62/ 51 | | 1.1 | 1.3 | .9 | .6 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 38 | 38 | 21 | 20 | | |
| 50/ 49 | .2 | 1.6 | .3 | 1.4 | .7 | .7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 29 | 19 | | |
| 46/ 47 | .1 | 1.1 | 1.5 | 1.7 | .9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 49 | 43 | 21 | | |
| 46/ 45 | .2 | 1.6 | 1.5 | 1.4 | .9 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 56 | 56 | 37 | 16 | | |
| 44/ 43 | .2 | 2.8 | 2.7 | 1.2 | 1.4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 81 | 81 | 50 | 35 | | |
| 42/ 41 | .1 | 2.0 | 1.7 | 1.8 | 1.1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 76 | 44 | | |
| 40/ 39 | | 1.5 | 2.6 | 2.3 | 1.8 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 77 | 77 | 64 | 41 | | |
| 36/ 37 | | 2.1 | 1.1 | 1.9 | 1.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 59 | 40 | | |
| 36/ 35 | .1 | 1.0 | 1.8 | 3.2 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 71 | 53 | | |
| 34/ 33 | | .7 | 1.0 | 1.2 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 52 | 45 | | |
| 32/ 31 | .3 | .8 | 2.9 | 2.7 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | 70 | 66 | 61 | | |
| 30/ 29 | | .2 | 1.7 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 31 | 63 | 35 | | |
| 26/ 27 | | | .5 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 12 | 56 | 34 | | |
| 26/ 25 | .2 | .1 | .9 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 42 | 34 | | |
| 24/ 23 | | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 25 | 29 | | |
| 22/ 21 | | .1 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 11 | 51 | | |
| 20/ 19 | | .1 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 9 | 38 | | |
| 18/ 17 | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 4 | 45 | | |
| 16/ 15 | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 5 | 32 | | |
| 14/ 13 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 3 | 30 | | |
| 12/ 11 | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 24 | | |
| 10/ 9 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 20 | | |
| 8/ 7 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 21 | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 |
| Element (X) | Σ _g | | | Σ _R | | | Σ | | | Σ _n | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMA

| | |
|---------|----------------|
| 722765 | MAXWELL AFB AL |
| STATION | 81 |

76-85

FEB
MONTH

PAGE 2 1200-1
HOURS (L. S.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL
STATION NAME

76-85

YEARS

FEB
MONTH

PAGE 7 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL
STATION NAME

76-85
YEARS

YEARS

FEB
MONTH

PAGE 1 1970-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------------------------------------|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|------|--------------------|----------|-----------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | > 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | .1 | .1 | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | .2 | | .1 | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | .4 | .1 | .4 | .1 | .4 | | | | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | .4 | .2 | .5 | .4 | .2 | .6 | .2 | | | | | | | | 21 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68/ 67 | | | | .5 | .5 | .4 | .8 | .6 | .4 | | | | | | | | | 26 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66/ 65 | | .1 | .4 | .7 | .6 | .8 | 1.0 | .6 | .2 | | | | | | | | | 37 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64/ 63 | | .7 | .4 | .4 | 1.1 | .6 | 1.4 | .8 | | | | | | | | | | 45 | 45 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62/ 61 | | .5 | .5 | .6 | .2 | .7 | .7 | .8 | .4 | .1 | | | | | | | | 38 | 38 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60/ 59 | | .8 | 1.2 | .1 | .7 | .8 | 1.0 | .6 | .1 | | | | | | | | | 45 | 45 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58/ 57 | .4 | 1.1 | 1.5 | .5 | 1.2 | 1.2 | .7 | .6 | | | | | | | | | | 60 | 60 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | .2 | .5 | 1.0 | .4 | 1.1 | 2.1 | .8 | .2 | | | | | | | | | | 53 | 53 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/ 53 | .1 | .6 | .6 | .4 | .4 | 1.4 | 1.4 | .1 | | | | | | | | | | 42 | 42 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | .7 | .5 | .7 | .7 | 1.1 | 1.0 | 1.2 | | | | | | | | | | | 45 | 45 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | .8 | 1.5 | 1.1 | 1.4 | 1.4 | 1.1 | | | | | | | | | | | 62 | 62 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | | 1.2 | 1.4 | 1.4 | 1.4 | 1.1 | .2 | | | | | | | | | | | 57 | 57 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | .2 | 1.2 | .8 | 2.1 | 1.8 | 1.4 | .2 | | | | | | | | | | | 69 | 69 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | 1.2 | .8 | 1.9 | 1.2 | .8 | .1 | | | | | | | | | | | 51 | 51 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | .5 | 1.4 | 1.0 | 2.4 | .7 | | | | | | | | | | | | 50 | 50 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | .7 | .8 | 2.0 | 1.9 | .6 | | | | | | | | | | | | 47 | 47 | 67 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | .8 | 1.1 | .8 | .5 | .1 | | | | | | | | | | | | 28 | 28 | 61 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | .4 | .4 | 1.0 | 1.0 | | | | | | | | | | | | | 25 | 25 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | .4 | .2 | .8 | | | | | | | | | | | | | 12 | 12 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | .4 | | .7 | .2 | | | | | | | | | | | | | 10 | 10 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ x' | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUL
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 104/103 | | | | | | | | | | | | | .1 | .1 | | | | 2 | 2 | | | | |
| 102/101 | | | | | | | | | | | | .3 | .7 | | | | | 9 | 9 | | | | |
| 100/99 | | | | | | | | | | .1 | .1 | 1.0 | .2 | | | | | 13 | 13 | | | | |
| 98/97 | | | | | | | | | | 1.6 | 1.0 | .8 | .2 | | | | | 73 | 33 | | | | |
| 96/95 | | | | | | | | .2 | 2.0 | 4.0 | 2.5 | .9 | | | | | | 98 | 38 | | | | |
| 94/93 | | | | | | | .2 | 3.4 | 4.9 | 3.7 | 1.4 | .4 | | .1 | | | | 110 | 137 | | | | |
| 92/91 | | | | | .1 | .3 | 1.7 | 3.8 | 4.8 | 1.0 | 1.3 | | .1 | | | | | 121 | 122 | | | | |
| 90/89 | | | | | .2 | 1.4 | 3.3 | 6.1 | 2.2 | 1.2 | | .1 | | | | | | 138 | 141 | | | | |
| 88/87 | | | | | .7 | 4.2 | 5.6 | 1.8 | 1.1 | .9 | | | | | | | | 132 | 133 | | | | |
| 86/85 | | | | .4 | 2.1 | 4.1 | 1.8 | .3 | .2 | | | | | | | | | 83 | 83 | | | | |
| 84/83 | | | | 1.6 | 1.6 | 1.3 | .4 | .1 | | | | | | | | | | 47 | 47 | 1 | | | |
| 82/81 | | | .2 | 2.0 | 1.2 | 1.0 | | .2 | | | | | | | | | | 42 | 42 | 18 | | | |
| 80/79 | | | .7 | .7 | 1.3 | .4 | | | | | | | | | | | | 30 | 30 | 149 | 4 | | |
| 78/77 | | | .4 | .9 | .1 | .1 | | | | | | | | | | | | 14 | 14 | 297 | 16 | | |
| 76/75 | | .3 | .7 | 1.4 | | | .1 | | | | | | | | | | | 23 | 23 | 242 | 72 | | |
| 74/73 | | | .3 | .2 | .1 | | | | | | | | | | | | | 6 | 6 | 115 | 183 | | |
| 72/71 | .1 | .1 | .1 | .2 | | | | | | | | | | | | | | 5 | 5 | 63 | 212 | | |
| 70/69 | .2 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 26 | 196 | | |
| 68/67 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 6 | 123 | | |
| 66/65 | | | | | | | | | | | | | | | | | | | | 4 | 55 | | |
| 64/63 | | | | | | | | | | | | | | | | | | | | | 29 | | |
| 62/61 | | | | | | | | | | | | | | | | | | | | | 22 | | |
| 60/59 | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 58/57 | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 56/55 | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 54/53 | | | | | | | | | | | | | | | | | | | | | 2 | | |
| TOTAL | .1 | .4 | 2.6 | 7.4 | 7.4 | 12.9 | 13.8 | 16.0 | 15.1 | 12.5 | 6.3 | 3.5 | 1.3 | .2 | | | | 921 | 926 | 921 | | | |

| Element (X) | ΣX^1 | ΣX | Σ | σ_A | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 2993072 | 51190 | 55.6 | 12.679 | 921 | | | | | | | |
| Dry Bulb | 7365275 | 82407 | 89.0 | 5.852 | 926 | | | 93.0 | 92.0 | 86.1 | 27.6 | 93 |
| Wet Bulb | 5339475 | 70081 | 76.1 | 2.729 | 921 | | | 92.6 | 83.0 | 6.8 | | 93 |
| Dew Point | 4582590 | 64880 | 70.4 | 3.628 | 921 | | | 81.4 | 27.8 | .1 | | 93 |

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

122269 MAXWELL AFB AL

75-84

444

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

3

4

Jul
MONTH

2100-2300
HOURS (L. S. T.)

USAFETAC
FORM
JUL 84
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-76, 78-84

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STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

5510 030
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 70 / 77 | | 2.3 | 4.1 | 1.4 | | | | | | | | | | | | | | 17 | 17 | | | | | |
| 70 / 75 | | 9.1 | 7.8 | 4.4 | | | | | | | | | | | | | | 47 | 47 | 11 | 2 | | | |
| 74 / 73 | .9 | 12.3 | 14.2 | 5.3 | .5 | | | | | | | | | | | | | 72 | 72 | 37 | 32 | | | |
| 72 / 71 | | 8.7 | 11.4 | 4.6 | | | | | | | | | | | | | | 54 | 54 | 59 | 38 | | | |
| 70 / 69 | .5 | 4.1 | 3.7 | .9 | | | | | | | | | | | | | | 20 | 23 | 51 | 47 | | | |
| 50 / 67 | | 1.4 | .9 | .5 | | | | | | | | | | | | | | 6 | 6 | 38 | 47 | | | |
| 66 / 55 | | | | .5 | .5 | | | | | | | | | | | | | 2 | 7 | 16 | 26 | | | |
| 64 / 63 | | | | | | | | | | | | | | | | | | | | 4 | 17 | | | |
| 52 / 61 | | .5 | | | | | | | | | | | | | | | | 1 | 1 | | 6 | | | |
| 53 / 59 | | | | | | | | | | | | | | | | | | | | 3 | 1 | | | |
| 52 / 57 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 56 / 55 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 44 / 53 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| TOTAL | 1.4 | 38.4 | 42.3 | 17.4 | .9 | | | | | | | | | | | | | 219 | 219 | 219 | 219 | | | |
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PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 30/ 85 | | | | | .1 | .1 | | | | | | | | | | | | 2 | 2 | | | | | |
| 40/ 83 | | | | .2 | 1.5 | | | | | | | | | | | | | 22 | 22 | | | | | |
| 50/ 81 | | | 1.2 | 3.3 | 1.9 | .1 | | | | | | | | | | | | 61 | 61 | | | | | |
| 60/ 79 | | .6 | 1.7 | 5.7 | 1.9 | .2 | | | | | | | | | | | | 95 | 95 | 3 | | | | |
| 70/ 77 | | 1.9 | 7.9 | 7.5 | 2.2 | .2 | | | | | | | | | | | | 183 | 183 | 30 | 7 | | | |
| 74/ 75 | .1 | 6.1 | 13.0 | 4.6 | 1.2 | .1 | | | | | | | | | | | | 241 | 241 | 114 | 37 | | | |
| 74/ 73 | .5 | 6.1 | 10.2 | 4.4 | .2 | .1 | | | | | | | | | | | | 201 | 201 | 247 | 129 | | | |
| 72/ 71 | .2 | 2.3 | 4.7 | 1.6 | .2 | | | | | | | | | | | | | 84 | 64 | 255 | 239 | | | |
| 70/ 69 | .1 | 1.3 | .3 | .6 | .3 | | | | | | | | | | | | | 29 | 29 | 163 | 247 | | | |
| 66/ 67 | | .2 | .3 | .2 | .1 | | | | | | | | | | | | | 8 | 8 | 79 | 140 | | | |
| 66/ 65 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 24 | 69 | | | |
| 64/ 63 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 6 | 32 | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 6 | 16 | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 2 | 5 | | | |
| 54/ 57 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 50/ 55 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| TOTAL | 1.0 | 18.9 | 40.9 | 28.8 | 9.7 | .9 | | | | | | | | | | | | 929 | 929 | 929 | | | | |
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PSYCHROMETRIC SUMMARY

AUG
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
ML 94
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

_____ MONTH

PAGE 1 1200-1400
HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 12/171 | | | | | | | | | | | .1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 12/179 | | | | | | | | | | .2 | .2 | .2 | | | | | | 6 | 6 | | | | | | | | | | | | | | | | |
| 12/197 | | | | | | | | | .2 | .4 | .4 | .1 | .1 | | | | | 13 | 13 | | | | | | | | | | | | | | | | |
| 12/195 | | | | | | | | .2 | 1.8 | 1.8 | .8 | .3 | | | | | | 46 | 46 | | | | | | | | | | | | | | | | |
| 12/187 | | | | | | | .2 | 2.3 | 2.7 | 3.5 | .6 | .1 | | | | | | 49 | 54 | | | | | | | | | | | | | | | | |
| 12/191 | | | | | | .5 | 3.4 | 6.0 | 4.2 | 1.6 | .8 | .1 | | | | | | 151 | 151 | | | | | | | | | | | | | | | | |
| 12/189 | | | | | .1 | 1.4 | 6.2 | 10.4 | 1.9 | 1.2 | .4 | .1 | | | | | | 207 | 207 | | | | | | | | | | | | | | | | |
| 12/187 | | | | | .5 | 4.7 | 6.6 | 3.2 | 1.1 | 1.1 | .3 | .1 | | | | | | 157 | 157 | | | | | | | | | | | | | | | | |
| 12/185 | | | | | 1.5 | 5.7 | 3.7 | 1.4 | .5 | | | | | | | | | 114 | 114 | | | | | | | | | | | | | | | | |
| 12/183 | | | | .5 | 2.7 | 1.9 | .5 | | .3 | | | | | | | | | 56 | 56 | 1 | | | | | | | | | | | | | | | |
| 12/181 | | | .5 | .9 | 1.2 | .5 | .4 | .1 | .2 | | | | | | | | | 36 | 36 | 25 | | | | | | | | | | | | | | | |
| 12/179 | | | .7 | 1.1 | .6 | | .2 | | | | | | | | | | | 20 | 20 | 144 | 2 | | | | | | | | | | | | | | |
| 12/177 | | .1 | .2 | .9 | .8 | .1 | | | | | | | | | | | | 19 | 19 | 262 | 19 | | | | | | | | | | | | | | |
| 12/175 | | | .1 | .6 | | | | | | | | | | | | | | 7 | 7 | 256 | 42 | | | | | | | | | | | | | | |
| 12/173 | | | .4 | .2 | | | | | | | | | | | | | | 6 | 6 | 143 | 174 | | | | | | | | | | | | | | |
| 12/171 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 51 | 222 | | | | | | | | | | | | | | |
| 12/169 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 35 | 201 | | | | | | | | | | | | | | |
| 12/167 | | | | | | | | | | | | | | | | | | | | 9 | 106 | | | | | | | | | | | | | | |
| 12/165 | | | | | | | | | | | | | | | | | | | | 2 | 59 | | | | | | | | | | | | | | |
| 12/163 | | | | | | | | | | | | | | | | | | | | | 26 | | | | | | | | | | | | | | |
| 12/161 | | | | | | | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | |
| 12/159 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | |
| 12/157 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | |
| 12/155 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 12/153 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 1214L | .3 | 1.2 | 4.2 | 7.4 | 14.1 | 22.9 | 23.7 | 13.0 | 10.7 | 3.7 | 1.1 | .1 | | | | | | 930 | 930 | 930 | 930 | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

Aug
MONTH

HOURS (L, S, T,)

USAFETAC

PSYCHROMETRIC SUMMARY

124205
STATION

MAXWELL AFB AL STATION NAME

75-44

YEARS

66
MONTH

PAGE 1 0900-1100
HOURS (11-5-1)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-------|------|------|------|--------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 66/ 87 | | | | | | | .1 | .1 | .2 | | | | | | | | | 4 | 4 | | | | | |
| 66/ 85 | | | | | | | | | | | | | | | | | | 4 | 4 | | | | | |
| 64/ 83 | | .1 | | | .2 | .5 | .1 | .1 | .4 | | | | | | | | | 16 | 19 | 1 | | | | |
| 62/ 81 | | | | .3 | .5 | .6 | .5 | .5 | .4 | .2 | | | | | | | | 23 | 23 | 2 | 2 | | | |
| 61/ 79 | | | .2 | 1.2 | 1.1 | 1.6 | .8 | 1.0 | .3 | .2 | .1 | | | | | | | 60 | 60 | | 1 | | | |
| 76/ 77 | | .1 | .5 | 1.3 | 1.7 | 1.4 | 1.6 | .6 | .3 | .2 | .1 | | | | | | | 71 | 71 | 2 | 1 | | | |
| 76/ 75 | | .2 | .3 | .5 | 1.5 | 2.2 | 1.4 | .4 | .3 | .1 | .1 | | | | | | | 73 | 73 | 15 | 1 | | | |
| 74/ 73 | | .1 | 1.2 | 1.4 | 1.5 | 1.5 | 1.4 | .9 | .6 | .3 | .1 | | | | | | | 76 | 76 | 42 | 10 | | | |
| 77/ 71 | .1 | .3 | 1.3 | 1.1 | 2.3 | .9 | 1.6 | 1.0 | .6 | .1 | | | | | | | | 86 | 69 | 38 | 29 | | | |
| 76/ 69 | | .4 | 1.3 | 1.2 | 1.4 | 1.9 | 1.3 | 1.1 | .3 | .1 | | | | | | | | 72 | 73 | 56 | 42 | | | |
| 66/ 67 | | .3 | .9 | 1.5 | .8 | 1.7 | .9 | 1.4 | .3 | | | | | | | | | 72 | 72 | 74 | 28 | | | |
| 66/ 65 | | .5 | 1.1 | 1.4 | 1.6 | .5 | 2.3 | 1.3 | .4 | | | | | | | | | 83 | 83 | 94 | 34 | | | |
| 64/ 63 | | .9 | .9 | 1.1 | 1.3 | 1.5 | 1.7 | .5 | .1 | | | | | | | | | 72 | 72 | 90 | 65 | | | |
| 62/ 61 | .1 | .6 | .3 | .3 | 1.5 | 1.2 | 1.1 | .9 | | | | | | | | | | 58 | 59 | 77 | 56 | | | |
| 63/ 59 | | .2 | .5 | .6 | 1.4 | 1.6 | .8 | .3 | | | | | | | | | | 61 | 61 | 71 | 83 | | | |
| 64/ 57 | | .4 | .2 | .5 | 1.3 | .7 | .5 | | | | | | | | | | | 37 | 37 | 71 | 67 | | | |
| 66/ 55 | | .2 | .7 | .2 | .5 | .9 | .4 | | | | | | | | | | | 24 | 24 | 58 | 52 | | | |
| 64/ 53 | | | .6 | .2 | .3 | .2 | | | | | | | | | | | | 12 | 12 | 79 | 58 | | | |
| 62/ 51 | | .5 | | .3 | | .1 | | | | | | | | | | | | 6 | 6 | 66 | 49 | | | |
| 60/ 49 | | | .2 | .2 | .2 | | | | | | | | | | | | | 6 | 6 | 49 | 46 | | | |
| 46/ 47 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 24 | 44 | | | |
| 46/ 45 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 19 | 55 | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 4 | 49 | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 4 | 51 | | | |
| 41/ 36 | | | | | | | | | | | | | | | | | | | | 1 | 29 | | | |
| 26/ 37 | | | | | | | | | | | | | | | | | | | | | 22 | | | |
| 74/ 35 | | | | | | | | | | | | | | | | | | | | | 25 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 15 | | | |
| 76/ 31 | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 76/ 29 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 66/ 27 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| TOTAL | .2 | 4.7 | 10.9 | 13.7 | 18.4 | 19.4 | 16.2 | 10.1 | 4.5 | 1.3 | .4 | | | | | | | 927 | 927 | 927 | 927 | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | 3534379 | | 55413 | | 59.9 | | 15.483 | | 927 | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | 4571848 | | 64188 | | 69.2 | | 7.866 | | 927 | | | | | | 57.7 | | 34.0 | | 9.0 | | | | 93 | |
| Wet Bulb | 3458232 | | 56154 | | 60.6 | | 7.821 | | 927 | | | | | | 23.1 | | 6.2 | | .3 | | | | 93 | |
| Dew Point | 2793349 | | 49941 | | 53.9 | | 10.538 | | 927 | | | | 1.4 | | 11.3 | | 1.5 | | .3 | | | | 93 | |

PSYCHROMETRIC SUMMARY

YEARS

6.5 MONTH

PAGE 1 0670-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 62/ 81 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 67/ 79 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | 1 | 1 | | | | | | | | | | | | | | |
| 72/ 77 | | .4 | .2 | | | | | | | | | | | | | | | 6 | 6 | 1 | 1 | | | | | | | | | | | | | | |
| 76/ 75 | | .4 | .5 | .2 | .1 | | | | | | | | | | | | | 12 | 12 | 4 | 4 | | | | | | | | | | | | | | |
| 74/ 73 | | 1.7 | 1.4 | .5 | | .1 | | | | | | | | | | | | 35 | 35 | 10 | 2 | | | | | | | | | | | | | | |
| 72/ 71 | | 1.5 | 2.3 | .9 | .3 | .2 | | .2 | | | | | | | | | | 47 | 47 | 27 | 21 | | | | | | | | | | | | | | |
| 72/ 69 | .2 | 1.5 | 2.1 | .9 | .2 | .1 | .2 | .1 | | | | | | | | | | 49 | 49 | 29 | 26 | | | | | | | | | | | | | | |
| 67/ 67 | .4 | .7 | 3.4 | 1.5 | .3 | .1 | | | | | | | | | | | | 59 | 59 | 45 | 33 | | | | | | | | | | | | | | |
| 66/ 65 | | .8 | 2.9 | 1.7 | .2 | .2 | | | | | | | | | | | | 53 | 53 | 32 | 27 | | | | | | | | | | | | | | |
| 64/ 63 | | 1.6 | 3.9 | 1.4 | .3 | .2 | .2 | | | | | | | | | | | 71 | 71 | 55 | 35 | | | | | | | | | | | | | | |
| 62/ 61 | | 2.9 | 4.4 | 1.2 | .3 | | | | | | | | | | | | | 81 | 81 | 63 | 43 | | | | | | | | | | | | | | |
| 57/ 59 | | 1.1 | 2.3 | 1.5 | 1.2 | .2 | .2 | | | | | | | | | | | 81 | 81 | 86 | 56 | | | | | | | | | | | | | | |
| 57/ 57 | | 2.3 | 2.5 | 1.4 | .3 | | | | | | | | | | | | | 60 | 60 | 45 | 32 | | | | | | | | | | | | | | |
| 57/ 55 | | 2.7 | 2.3 | 1.9 | 1.4 | .4 | | | | | | | | | | | | 82 | 82 | 66 | 64 | | | | | | | | | | | | | | |
| 54/ 53 | | 1.3 | 3.5 | 1.2 | .4 | | | | | | | | | | | | | 59 | 59 | 56 | 54 | | | | | | | | | | | | | | |
| 52/ 51 | | 1.5 | 3.2 | 1.2 | .3 | .2 | | | | | | | | | | | | 59 | 59 | 53 | 63 | | | | | | | | | | | | | | |
| 57/ 49 | | 1.2 | 2.7 | .8 | .1 | | | | | | | | | | | | | 44 | 44 | 72 | 51 | | | | | | | | | | | | | | |
| 47/ 47 | .1 | 1.5 | 1.2 | 1.4 | | | | | | | | | | | | | | 41 | 41 | 64 | 63 | | | | | | | | | | | | | | |
| 46/ 46 | .1 | 1.3 | 1.2 | .7 | | | | | | | | | | | | | | 30 | 30 | 59 | 52 | | | | | | | | | | | | | | |
| 44/ 43 | | .5 | 1.7 | .3 | | | | | | | | | | | | | | 24 | 24 | 33 | 53 | | | | | | | | | | | | | | |
| 42/ 41 | | .9 | .5 | .1 | | | | | | | | | | | | | | 9 | 9 | 26 | 51 | | | | | | | | | | | | | | |
| 41/ 39 | | .7 | .2 | | | | | | | | | | | | | | | 8 | 8 | 23 | 39 | | | | | | | | | | | | | | |
| 37/ 37 | | .4 | | | | | | | | | | | | | | | | 4 | 4 | 14 | 33 | | | | | | | | | | | | | | |
| 35/ 35 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 3 | 27 | | | | | | | | | | | | | | |
| 24/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 12 | | | | | | | | | | | | | | |
| 22/ 31 | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | | |
| 10/ 29 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| TOTAL | | .728 | .044 | .417 | .8 | 6.1 | 1.9 | .7 | .3 | | | | | | | | | | 918 | 918 | 918 | | | | | | | | | | | | | | |

| Element (X) | Σ X ¹ | Σ X | X | Σ ₂ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 5761946 | 72068 | 78.5 | 10.661 | 918 | ≥ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 3236768 | 54334 | 59.2 | 8.748 | 918 | | | 21.4 | 5.7 | .1 | | 53 |
| Wet Bulb | 2898755 | 50945 | 55.5 | 8.832 | 918 | | | 11.9 | 1.6 | .1 | | 93 |
| Dew Point | 2607302 | 48058 | 52.4 | 9.985 | 918 | | 1.2 | 8.9 | .8 | | | 92 |

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

76-84

051

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

0300-0500
HOURS (U.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE : 2120-2130
HOURS (L. S. T.)

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL
STATION NAME

75-84
YEARS

SEP
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-------|------|------|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | O.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 89 / 89 | | | | | | | | | .1 | .6 | .4 | .1 | | | | | | 11 | 11 | | |
| 87 / 87 | | | | | | | .2 | .5 | 1.0 | .8 | | | | | | | | 20 | 22 | | |
| 86 / 85 | | | | | .3 | 1.0 | 1.2 | 1.8 | .8 | .1 | | | | | | | | 47 | 47 | | |
| 84 / 83 | | | .1 | .6 | .8 | 2.0 | 2.6 | 1.2 | .3 | | .3 | .1 | | | | | | 71 | 71 | | |
| 82 / 81 | | | .1 | 1.7 | 2.0 | 2.9 | 2.1 | 1.1 | .4 | .1 | | | | | | | | 94 | 94 | | |
| 80 / 79 | | .1 | 1.6 | 2.4 | 2.7 | 3.7 | .6 | .4 | .6 | .1 | | | | | | | | 109 | 109 | 1 | |
| 78 / 77 | | .4 | 2.6 | 2.8 | 4.1 | 1.7 | .8 | .9 | .3 | .1 | | | | | | | | 123 | 123 | 17 | 2 |
| 76 / 75 | | 1.0 | 2.9 | 2.3 | 3.0 | 1.9 | 1.0 | .4 | .1 | | | | | | | | | 113 | 113 | 54 | 10 |
| 74 / 73 | .1 | .4 | 1.4 | 3.3 | 1.2 | 1.6 | .7 | .1 | .3 | | | | | | | | | 89 | 89 | 145 | 44 |
| 72 / 71 | | .7 | 3.0 | 1.8 | 1.6 | .9 | .7 | .6 | | | | | | | | | | 82 | 82 | 159 | 87 |
| 70 / 69 | | .2 | .7 | 1.8 | .9 | .8 | .2 | .2 | .4 | | | | | | | | | 47 | 47 | 143 | 95 |
| 68 / 67 | | .9 | .6 | .9 | .2 | .7 | .5 | .2 | .1 | | | | | | | | | 35 | 35 | 109 | 110 |
| 66 / 65 | | .1 | .7 | .2 | .4 | | .1 | .2 | | | | | | | | | | 16 | 16 | 72 | 142 |
| 64 / 63 | | | .4 | .4 | .2 | .2 | .2 | .1 | | | | | | | | | | 14 | 14 | 72 | 99 |
| 62 / 61 | | | .2 | | .1 | | .2 | | | | | | | | | | | 5 | 5 | 34 | 67 |
| 60 / 59 | | | .2 | .1 | .2 | | .1 | .1 | | | | | | | | | | 7 | 7 | 28 | 55 |
| 58 / 57 | | | .7 | .3 | .2 | | .1 | | | | | | | | | | | 12 | 12 | 20 | 45 |
| 56 / 55 | | | .2 | .2 | | | | | | | | | | | | | | 4 | 4 | 9 | 34 |
| 54 / 53 | | | | | | | | | | | | | | | | | | | | 15 | 23 |
| 52 / 51 | | | | | | | | | | | | | | | | | | | | 12 | 29 |
| 50 / 49 | | | | | | | | | | | | | | | | | | | | 6 | 7 |
| 48 / 47 | | | | | | | | | | | | | | | | | | | | 2 | 15 |
| 46 / 45 | | | | | | | | | | | | | | | | | | | | 1 | 15 |
| 44 / 43 | | | | | | | | | | | | | | | | | | | | | 3 |
| 42 / 41 | | | | | | | | | | | | | | | | | | | | | 3 |
| 40 / 39 | | | | | | | | | | | | | | | | | | | | | 5 |
| 38 / 37 | | | | | | | | | | | | | | | | | | | | | 2 |
| 36 / 35 | | | | | | | | | | | | | | | | | | | | | 3 |
| 34 / 33 | | | | | | | | | | | | | | | | | | | | | 2 |
| 32 / 31 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | .1 | 4.2 | 15.6 | 18.9 | 14.0 | 17.1 | 10.9 | 8.2 | 4.6 | 1.4 | .7 | .2 | | | | | | 899 | 899 | 899 | 899 |
| | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | | Σ X | | X | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | |
| Rel. Hum. | 4053557 | | 59019 | | 65.7 | | 14.014 | | 899 | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | 5280079 | | 68657 | | 76.4 | | 6.394 | | 899 | | | | 84.2 | 67.8 | 29.3 | | 90 | | | | |
| Wet Bulb | 4218252 | | 61362 | | 68.3 | | 5.774 | | 899 | | | | 62.9 | 21.7 | | | 90 | | | | |
| Dew Point | 3672414 | | 57052 | | 63.5 | | 7.595 | | 899 | | | .2 | 34.8 | 5.6 | | | 90 | | | | |

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

SEP
MONTH

[illegible]

FORM 0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL
STATION 1

75-84

YEARS

MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL
STATION NAME

75-84

YEARS

SEP
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL
STATION NAME

75-84
YEARS

SEP
MONTH

PAGE 1 5900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 96/ 95 | | | | | | | | | | | .1 | .1 | | | | | | 2 | 2 | | | | | | |
| 94/ 93 | | | | | | | | | | .1 | .2 | .1 | | | | | | 4 | 4 | | | | | | |
| 92/ 91 | | | | | | .1 | .1 | | .7 | .6 | .2 | | | | | | | 15 | 15 | | | | | | |
| 90/ 89 | | | | | | | .4 | 1.6 | 1.0 | .4 | .3 | | | | | | | 34 | 34 | | | | | | |
| 88/ 87 | | | | | | 1.7 | 2.4 | 2.0 | .7 | .1 | | .1 | | | | | | 60 | 60 | | | | | | |
| 86/ 85 | | | | .3 | 1.0 | 2.7 | 2.9 | 2.3 | .1 | .3 | | | | | | | | 87 | 67 | | | | | | |
| 84/ 83 | | | | .6 | 3.1 | 3.9 | 2.0 | .7 | .1 | .3 | | | | | | | | 96 | 96 | | | | | | |
| 82/ 81 | | | .4 | 1.9 | 3.6 | 3.2 | 1.7 | 1.1 | .6 | .1 | .2 | | | | | | | 115 | 115 | 1 | | | | | |
| 80/ 79 | | | .4 | 2.1 | 3.8 | 2.6 | 1.0 | 1.0 | .7 | .1 | | | | | | | | 110 | 110 | 6 | | | | | |
| 78/ 77 | | .1 | 1.1 | 3.1 | 2.4 | .8 | 1.3 | .8 | .6 | .1 | | | | | | | | 93 | 93 | 47 | 2 | | | | |
| 76/ 75 | | .6 | 1.2 | 1.1 | 1.6 | 1.6 | 1.4 | 1.1 | .6 | | | | | | | | | 82 | 82 | 135 | 21 | | | | |
| 74/ 73 | | .3 | .4 | 1.6 | .3 | 1.8 | .7 | .3 | .1 | .1 | | | | | | | | 51 | 51 | 188 | 54 | | | | |
| 72/ 71 | | .4 | .2 | .6 | 1.1 | 1.2 | .4 | .3 | .3 | .1 | | | | | | | | 49 | 49 | 134 | 110 | | | | |
| 70/ 69 | | .1 | .9 | .6 | 1.1 | .6 | .3 | .4 | .3 | | | | | | | | | 39 | 39 | 83 | 135 | | | | |
| 68/ 67 | | .1 | .5 | .3 | .1 | .1 | .1 | .4 | .1 | | | | | | | | | 17 | 17 | 54 | 135 | | | | |
| 66/ 65 | | .1 | .9 | .3 | .1 | .2 | .3 | .1 | .1 | | | | | | | | | 20 | 20 | 70 | 98 | | | | |
| 64/ 63 | | | .3 | .2 | .3 | | .1 | .2 | | | | | | | | | | 11 | 11 | 60 | 58 | | | | |
| 62/ 61 | | | .1 | .2 | | | .1 | .1 | | | | | | | | | | 5 | 5 | 49 | 38 | | | | |
| 60/ 59 | | | | .1 | .2 | | | | | | | | | | | | | 3 | 3 | 21 | 48 | | | | |
| 58/ 57 | | | .2 | .3 | | | | | | | | | | | | | | 5 | 5 | 10 | 58 | | | | |
| 56/ 55 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | 16 | 39 | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 13 | 23 | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 9 | 15 | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 3 | 18 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 1 | 15 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 6 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ^2 | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | Total | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≤ 67 F | | ≤ 73 F | | ≤ 80 F | | ≤ 93 F | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL

75-84

SEP

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SE
MONTH

PAGE 1 0300-0500
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMAR

YEARS

AUG
MONTH

PAGE 1 2100-230
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|---------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Pt. | | | |
| 48/ 87 | | | | | | .2 | | | | | | | | | | | | 1 | 1 | | | | | |
| 46/ 85 | | | | | .6 | .6 | .2 | | | | | | | | | | | 9 | 9 | | | | | |
| 34/ 83 | | | .2 | 1.1 | 1.9 | .5 | .2 | .2 | | | | | | | | | | 25 | 25 | | | | | |
| 32/ 81 | | | 1.6 | 3.9 | 3.7 | 1.4 | .2 | .2 | | | | | | | | | | 70 | 70 | | | | | |
| 30/ 79 | | | 6.4 | 8.5 | 4.5 | 1.3 | | | | | | | | | | | | 131 | 131 | 1 | | | | |
| 75/ 77 | | 2.7 | 8.7 | 8.2 | 5.8 | .3 | .2 | | | | | | | | | | | 161 | 161 | 24 | | | | |
| 76/ 75 | | 3.1 | 7.9 | 7.3 | 1.8 | .6 | | | | | | | | | | | | 178 | 128 | 176 | | | | |
| 74/ 73 | .3 | 3.7 | 4.7 | 2.3 | .5 | .3 | | | | | | | | | | | | 73 | 73 | 160 | 12 | | | |
| 72/ 71 | | 1.7 | 1.1 | 1.3 | | | | | | | | | | | | | | 21 | 21 | 165 | 14 | | | |
| 70/ 69 | | | | .2 | | | | | | | | | | | | | | 1 | 1 | 95 | 12 | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 21 | 11 | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 16 | 4 | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 2 | 1 | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | .3 | 10.5 | 31.0 | 32.7 | 18.9 | 5.6 | .6 | .3 | | | | | | | | | | | 620 | 620 | 620 | 62 | | |

| Element (X) | Σ X ² | Σ X | X̄ | C _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 3802031 | 48261 | 77.8 | 8.562 | 620 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 3740595 | 48121 | 77.6 | 3.036 | 620 | | | 93.0 | 89.7 | 26.6 | | |
| Wet Bulb | 3265512 | 44966 | 72.5 | 2.641 | 620 | | | 90.3 | 48.2 | | | |
| Dew Point | 3051849 | 43451 | 70.1 | 3.291 | 620 | | | 81.3 | 24.5 | | | |

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMA

YEARS

ALL
MONTH

PAGE 1 1400-25
HOURS (L. S.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew | | |
| 95 / 95 | | | | | | | | | | .1 | .1 | | | | | | | 2 | 2 | | | | |
| 94 / 93 | | | | | | | | | .2 | .2 | | | | | | | | 4 | 4 | | | | |
| 92 / 91 | | | | | | | .1 | .3 | .4 | .2 | | | | | | | | 12 | 12 | | | | |
| 90 / 89 | | | | | | .3 | 1.2 | 1.3 | .6 | .2 | .1 | | | | | | | 36 | 36 | | | | |
| 88 / 87 | | | | | .2 | 3.2 | 3.0 | 1.2 | .9 | | | | | | | | | 79 | 79 | | | | |
| 86 / 85 | | | | .6 | 2.4 | 5.2 | 3.2 | 1.1 | .2 | .1 | | | | | | | | 119 | 119 | | | | |
| 84 / 83 | | | .1 | 3.1 | 4.2 | 3.6 | 2.6 | .8 | .1 | .1 | | | | | | | | 135 | 136 | | | | |
| 82 / 81 | | .1 | .3 | 5.2 | 5.8 | 3.4 | .6 | .5 | | | | | | | | | | 154 | 154 | | | | |
| 80 / 79 | | .1 | 2.2 | 4.1 | 4.5 | 1.7 | .8 | .2 | | | | | | | | | | 173 | 173 | 23 | | | |
| 78 / 77 | | .5 | 3.3 | 3.3 | 3.5 | .2 | .2 | | | | | | | | | | | 179 | 179 | 131 | | | |
| 76 / 75 | .1 | 1.2 | 3.4 | 2.6 | .9 | .4 | | | | | | | | | | | | 92 | 92 | 237 | | | |
| 74 / 73 | .4 | 2.5 | 2.3 | .2 | .3 | | | | | | | | | | | | | 53 | 53 | 245 | 1 | | |
| 72 / 71 | .3 | .4 | .5 | | | | | | | | | | | | | | | 12 | 12 | 174 | 2 | | |
| 70 / 69 | | | | | | | | | | | | | | | | | | | | 82 | 1 | | |
| 68 / 67 | | | | | | | | | | | | | | | | | | | | 23 | 1 | | |
| 66 / 65 | | | | | | | | | | | | | | | | | | | | 13 | | | |
| 64 / 63 | | | | | | | | | | | | | | | | | | | | | | | |
| 62 / 61 | | | | | | | | | | | | | | | | | | | | | | | |
| 60 / 59 | | | | | | | | | | | | | | | | | | | | | | | |
| 58 / 57 | | | | | | | | | | | | | | | | | | | | | | | |
| 56 / 55 | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | .5 | 4.7 | 14.1 | 19.7 | 21.0 | 18.1 | 12.7 | 5.4 | 2.5 | 1.0 | .2 | | | | | | | 926 | 926 | 928 | 9 | | |
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PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL

75-84

05

STATION NAME

YEARS

MONTH

PAGE 1 1200-
HOURS 11.3

[illegible]

PSYCHROMETRIC SUMMA

051
MONTH

PAGE 2 1220-14
HOURS 11. 5.

[illegible]

PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL

75-84

YEARS

MAY
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|---------|-------|--|-----|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Pt. | | | | |
| 82/ 81 | | | | | .3 | .1 | .1 | | .1 | | | | | | | | | 6 | 6 | | | | | | |
| 80/ 79 | | | | .3 | .4 | .4 | | | | | | | | | | | | 11 | 11 | | | | | | |
| 78/ 77 | | | .4 | 1.6 | 1.2 | | | .1 | | | | | | | | | | 31 | 31 | | | | | | |
| 76/ 75 | | .4 | 1.3 | 2.7 | .5 | .4 | .3 | .2 | | | | | | | | | | 59 | 59 | 2 | | | | | |
| 74/ 73 | | .8 | 2.5 | 3.7 | 1.6 | .5 | .3 | | | | | | | | | | | 88 | 88 | 20 | | | | | |
| 72/ 71 | | .9 | 5.7 | 3.2 | 1.2 | 1.2 | .6 | | | | | | | | | | | 119 | 119 | 58 | | | | | |
| 70/ 69 | .1 | 1.9 | 5.6 | 2.5 | 1.4 | 1.2 | .2 | | | | | | | | | | | 120 | 120 | 83 | | | | | |
| 68/ 67 | | 1.4 | 7.1 | 2.7 | 1.5 | 1.0 | .1 | | | | | | | | | | | 128 | 128 | 101 | | | | | |
| 66/ 65 | | 2.4 | 4.4 | 1.6 | 1.6 | .4 | .1 | | | | | | | | | | | 96 | 98 | 126 | | | | | |
| 64/ 63 | | 1.6 | 2.3 | 2.0 | 1.2 | .5 | .2 | | | | | | | | | | | 71 | 71 | 119 | 10 | | | | |
| 62/ 61 | | 1.5 | 2.9 | 1.5 | 1.1 | .3 | | | | | | | | | | | | 68 | 68 | 110 | 10 | | | | |
| 60/ 59 | .1 | 1.7 | 2.2 | 1.9 | .4 | | | | | | | | | | | | | 52 | 52 | 87 | | | | | |
| 58/ 57 | | .5 | 1.3 | .9 | .1 | .3 | | | | | | | | | | | | 29 | 29 | 73 | | | | | |
| 56/ 55 | | .6 | 1.0 | .9 | .3 | | | | | | | | | | | | | 23 | 23 | 47 | | | | | |
| 54/ 53 | | .2 | 1.1 | .4 | .2 | | | | | | | | | | | | | 18 | 18 | 48 | | | | | |
| 52/ 51 | | .3 | .1 | .1 | | | | | | | | | | | | | | 5 | 5 | 24 | | | | | |
| 50/ 49 | | .2 | .1 | .1 | | | | | | | | | | | | | | 4 | 4 | 22 | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 6 | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 3 | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | .2 | 13.7 | 38.3 | 25.8 | 13.1 | 6.5 | 2.0 | .3 | .1 | | | | | | | | | 930 | 930 | 930 | 93 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 930 | | 930 | |
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PSYCHROMETRIC SUMMA

722765
STATION

MAXWELL AFB AL

75-84

MAY
MONTH

PAGE 1 C900-11
HOURS (L. S.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | |
|--------------|-------------------------------------|------------|-----------|------------|----------|------------------------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-----|----------|----------|-----|---|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | Dry Bulb | Wet Bulb | Dew | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | .1 | | .2 | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | .2 | .3 | .2 | | | .2 | | | | | 9 | 9 | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | .1 | | .5 | .8 | .6 | .1 | .3 | .1 | | | | | | 26 | 26 | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | .9 | 1.3 | .9 | .4 | .5 | .2 | .2 | | | | | | 41 | 41 | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | .5 | 1.7 | 1.1 | 1.1 | .4 | .5 | .1 | | | | | | | 51 | 51 | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | .2 | 1.5 | 2.2 | 3.0 | 1.3 | 1.5 | .4 | .5 | | | | | | | 99 | 99 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | .1 | .8 | 2.2 | 3.1 | 1.7 | 2.2 | 1.0 | .5 | .2 | | | | | | | 109 | 109 | 1 | | | | | | | | | | | | | | | |
| 78/ 77 | | | .2 | 1.2 | 3.5 | 2.5 | 2.4 | 1.6 | 1.0 | .2 | .1 | | | | | | | 118 | 118 | 2 | | | | | | | | | | | | | | | |
| 76/ 75 | | | .4 | 2.4 | 3.2 | 2.7 | 1.8 | 1.5 | 1.5 | .1 | | | | | | | | 119 | 119 | 26 | | | | | | | | | | | | | | | |
| 74/ 73 | | | .6 | 1.9 | .9 | 1.7 | 1.9 | .8 | .6 | .1 | .1 | | | | | | | 81 | 81 | 84 | | | | | | | | | | | | | | | |
| 72/ 71 | | .4 | 1.4 | 2.3 | 1.5 | 1.0 | 1.0 | .6 | .3 | .2 | | | | | | | | 91 | 81 | 91 | | | | | | | | | | | | | | | |
| 70/ 69 | | .3 | 1.6 | 1.5 | .9 | 1.3 | .9 | .6 | .2 | .1 | | | | | | | | 69 | 69 | 124 | | | | | | | | | | | | | | | |
| 68/ 67 | | .2 | 1.6 | 1.4 | .4 | 1.0 | .2 | .4 | | | | | | | | | | 49 | 49 | 143 | | | | | | | | | | | | | | | |
| 66/ 65 | | .3 | .9 | .2 | .6 | .9 | .5 | .1 | .1 | | | | | | | | | 34 | 34 | 120 | 1 | | | | | | | | | | | | | | |
| 64/ 63 | | .5 | .5 | .5 | .2 | .3 | .1 | .1 | | | | | | | | | | 23 | 23 | 110 | 1 | | | | | | | | | | | | | | |
| 62/ 61 | | | .1 | .4 | .2 | .2 | .2 | .2 | | | | | | | | | | 13 | 13 | 88 | | | | | | | | | | | | | | | |
| 60/ 59 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | 49 | | | | | | | | | | | | | | | |
| 58/ 57 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 40 | | | | | | | | | | | | | | | |
| 56/ 55 | | | | | .2 | | | | | | | | | | | | | 2 | 2 | 25 | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 1.9 | 7.5 | 12.9 | 16.2 | 19.4 | 16.0 | 12.5 | 4.1 | 3.3 | 1.6 | .5 | | | | | | 930 | 930 | 930 | 9 | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 3596494 | 54696 | 58.8 | 13.907 | 930 | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | | | | | | |
| Dry Bulb | 5398234 | 76612 | 75.9 | 6.301 | 930 | | | | | 85.5 | | 65.6 | | 28.6 | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 4085168 | 61428 | 66.1 | 5.465 | 930 | | | | | 47.1 | | 11.3 | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 3377868 | 55604 | 59.8 | 7.578 | 930 | | | | | 18.6 | | .8 | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

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| 122265 | MAXWELL AFB AL |
| STATION | STATION NAME |

75-84

YEARS

MAY
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL

75-84

YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | .7 | | .2 | .1 | | | | 6 | 6 | | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | .1 | | .6 | .9 | .2 | .2 | .1 | | | | 22 | 22 | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | .2 | .3 | 1.5 | 1.3 | .5 | .4 | .3 | | | | | 43 | 43 | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | 1.0 | 1.5 | 2.5 | 1.7 | 1.1 | .4 | .9 | | | | | 84 | 84 | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | .7 | 1.7 | 1.8 | 2.5 | 2.3 | 1.4 | .8 | | | | | | 99 | 99 | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | .1 | .6 | 1.5 | 3.4 | 2.0 | 2.3 | 1.4 | .9 | .2 | | | | | 116 | 116 | | | | | | | | | | | | | | | | |
| 82/ 81 | | | .2 | .6 | 1.7 | 2.6 | 2.2 | 1.8 | 2.3 | 1.6 | | .4 | .1 | | | | | 129 | 129 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | .3 | 1.6 | 1.2 | 1.4 | 1.2 | 1.3 | 2.2 | .8 | | | | | | | | 92 | 92 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | .4 | 1.8 | 1.4 | 1.6 | 1.2 | 1.5 | 1.4 | .9 | | | | | | | | 95 | 95 | 7 | | | | | | | | | | | | | | | |
| 76/ 75 | | | .4 | 1.0 | 1.2 | 1.1 | .9 | 1.4 | 1.0 | 1.2 | .2 | | | | | | | 77 | 77 | 20 | | | | | | | | | | | | | | | |
| 74/ 73 | | .7 | .9 | 1.2 | .6 | .8 | .1 | .6 | .6 | .2 | .2 | | | | | | | 50 | 50 | 90 | | | | | | | | | | | | | | | |
| 72/ 71 | | .5 | .3 | .4 | .4 | .1 | .3 | .6 | | | | | | | | | | 26 | 26 | 135 | | | | | | | | | | | | | | | |
| 70/ 69 | | .7 | 1.1 | .6 | .8 | .1 | | .2 | .3 | | | | | | | | | 37 | 37 | 147 | | | | | | | | | | | | | | | |
| 68/ 67 | | .3 | 1.1 | .4 | .9 | .2 | | | .1 | | | | | | | | | 27 | 27 | 119 | | | | | | | | | | | | | | | |
| 66/ 65 | | .7 | .5 | .5 | .3 | | | | | | | | | | | | | 15 | 15 | 121 | | | | | | | | | | | | | | | |
| 64/ 63 | | | .1 | .1 | .2 | .2 | | | | | | | | | | | | 6 | 6 | 103 | | | | | | | | | | | | | | | |
| 62/ 61 | | .3 | | .3 | | | | | | | | | | | | | | 6 | 6 | 90 | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 51 | | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 31 | | | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 1.8 | 4.3 | 5.6 | 8.5 | 8.3 | 11.3 | 14.6 | 15.4 | 15.4 | 9.6 | 3.1 | 1.9 | .2 | | | | | 930 | | 930 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 930 | | 930 | | | | | | | | | | | | | | | |

| Element (X) | Σ x ¹ | Σ x | Σ | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | |
|-------------|------------------|-----|-------|----------------|----------|------------------------------------|-------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 2542 | 397 | 46393 | 49.9 | 15.669 | 930 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 6022 | 616 | 74600 | 80.2 | 6.444 | 930 | | | 90.3 | 81.3 | 54.6 | .6 | 93 |
| Wet Bulb | 4189 | 162 | 62252 | 66.9 | 4.884 | 930 | | | 51.8 | 11.7 | | | 93 |
| Dew Point | 3253 | 041 | 54531 | 58.6 | 7.735 | 930 | | | .1 | 14.1 | .7 | | 93 |

PSYCHROMETRIC SUMMARY

122265
STATION

MAXWELL AFB AL

75-84

MAY
MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|------|------|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | |
| 32 / 91 | | | | | .4 | 1.3 | .7 | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | |
| 50 / 79 | | | | .7 | 1.8 | 3.3 | .4 | .3 | | | | | | | | | | 15 | 15 | | | | | | | | | | | | |
| 78 / 77 | | | .7 | 1.8 | 3.3 | .4 | .3 | .2 | .2 | | | | | | | | | 44 | 44 | | | | | | | | | | | | |
| 76 / 75 | | .2 | 2.1 | 2.3 | 3.6 | .4 | .8 | .3 | | | | | | | | | | 63 | 63 | 1 | | | | | | | | | | | |
| 74 / 73 | | | 3.6 | 6.3 | 3.0 | 1.7 | .7 | | | | | | | | | | | 92 | 92 | 17 | 1 | | | | | | | | | | |
| 72 / 71 | | 1.2 | 4.4 | 3.0 | 3.3 | 1.5 | .5 | | | | | | | | | | | 50 | 66 | 43 | 11 | | | | | | | | | | |
| 70 / 69 | | .7 | 3.3 | 4.3 | 3.3 | 1.3 | .7 | | | | | | | | | | | 82 | 82 | 72 | 40 | | | | | | | | | | |
| 68 / 67 | | 1.5 | 3.6 | 1.7 | 1.8 | 1.7 | .3 | .7 | | | | | | | | | | 66 | 69 | 99 | 61 | | | | | | | | | | |
| 66 / 65 | | .8 | 2.1 | 2.1 | 1.7 | 1.3 | .3 | | | | | | | | | | | 51 | 51 | 65 | 63 | | | | | | | | | | |
| 64 / 63 | | .3 | 2.0 | 2.0 | 1.7 | .3 | .3 | | | | | | | | | | | 45 | 45 | 85 | 74 | | | | | | | | | | |
| 62 / 61 | | .7 | .7 | .7 | .5 | .2 | .3 | | | | | | | | | | | 15 | 15 | 61 | 68 | | | | | | | | | | |
| 60 / 59 | | .3 | 1.3 | 1.2 | .3 | .3 | | | | | | | | | | | | 20 | 20 | 52 | 57 | | | | | | | | | | |
| 58 / 57 | | .3 | .7 | .3 | .7 | .2 | | | | | | | | | | | | 13 | 13 | 44 | 42 | | | | | | | | | | |
| 56 / 55 | | .2 | .5 | .3 | .3 | | | | | | | | | | | | | 6 | 8 | 29 | 53 | | | | | | | | | | |
| 54 / 53 | | | | | | | | | | | | | | | | | | | | 19 | 38 | | | | | | | | | | |
| 52 / 51 | | | | | | | | | | | | | | | | | | | | 11 | 38 | | | | | | | | | | |
| 50 / 49 | | | | | | | | | | | | | | | | | | | | 6 | 20 | | | | | | | | | | |
| 48 / 47 | | | | | | | | | | | | | | | | | | | | 2 | 13 | | | | | | | | | | |
| 46 / 45 | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | |
| 44 / 43 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | |
| 42 / 41 | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | |
| 40 / 39 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| 38 / 37 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| 36 / 35 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| TOTAL | | 5.625 | 4.427 | 22.9 | 10.9 | 4.6 | 1.2 | .2 | | | | | | | | | | 606 | 606 | 606 | 606 | | | | | | | | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ ² | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 3128673 | | 43011 | | 71.0 | | 11.205 | | 606 | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | |
| Dry Bulb | 2981722 | | 42376 | | 69.9 | | 5.451 | | 606 | | | | | | 69.7 | | 33.5 | | 1.5 | | | | 93 | | | | | | | | |
| Wet Bulb | 2489873 | | 38699 | | 63.9 | | 5.540 | | 606 | | | | | | 35.6 | | 2.8 | | | | | | 93 | | | | | | | | |
| Dew Point | 2198940 | | 36258 | | 59.8 | | 6.990 | | 606 | | | | | | 17.3 | | .2 | | | | | | 93 | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JULY 64

USAFETAC

PSYCHROMETRIC SUMMARY

75-84

YEARS

438
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|-------|-----|------|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 10/ 99 | | | | | | | | | | | .4 | .1 | .2 | .1 | | | | 8 | 8 | | | | | | |
| 20/ 97 | | | | | | | | | | 1.3 | .4 | .2 | .6 | | | | | 20 | 20 | | | | | | |
| 30/ 95 | | | | | | | | .1 | .2 | 1.6 | .6 | 1.5 | .3 | .2 | | | | 40 | 40 | | | | | | |
| 40/ 93 | | | | | | | .2 | .3 | 1.7 | 2.7 | 1.8 | 1.0 | .1 | .6 | | | | 75 | 75 | | | | | | |
| 50/ 91 | | | | | | | .4 | 1.7 | 4.4 | 3.3 | 2.4 | .2 | .6 | .1 | | | | 110 | 116 | | | | | | |
| 60/ 89 | | | | | | .1 | 2.5 | 3.9 | 3.8 | 3.6 | 1.1 | .7 | .8 | | | | | 147 | 147 | | | | | | |
| 70/ 87 | | | | | | 1.7 | 3.4 | 3.6 | 3.5 | 2.2 | .8 | .7 | | | | | | 141 | 141 | | | | | | |
| 80/ 85 | | | | | .6 | 2.4 | 3.1 | 2.6 | 1.3 | 1.6 | 1.1 | .3 | | | | | | 116 | 115 | | | | | | |
| 90/ 83 | | | | | 2.4 | 1.2 | 2.2 | .9 | .9 | 1.2 | .8 | .1 | | | | | | 87 | 87 | | | | | | |
| 100/ 81 | | | | .2 | .4 | 1.0 | .9 | .3 | .7 | .7 | .2 | | .2 | | | | | 42 | 42 | | 7 | | | | |
| 110/ 79 | | | .1 | .3 | 1.1 | 1.3 | .1 | .6 | .1 | .6 | | .1 | | | | | | 39 | 39 | 28 | | | | | |
| 120/ 77 | | | .6 | .6 | .4 | .2 | .2 | .2 | .3 | .2 | | | | | | | | 25 | 25 | 123 | 1 | | | | |
| 130/ 75 | | .2 | .7 | .6 | .1 | .1 | | | | | | | | | | | | 16 | 16 | 178 | 13 | | | | |
| 140/ 73 | | .4 | .4 | .3 | | .1 | | | | | | | | | | | | 12 | 12 | 204 | 74 | | | | |
| 150/ 71 | | .1 | .3 | .1 | | .1 | | | | | | | | | | | | 6 | 6 | 152 | 111 | | | | |
| 160/ 69 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 73 | 134 | | | | |
| 170/ 67 | | | | | | | | | | | | | | | | | | | | 56 | 136 | | | | |
| 180/ 65 | | | | | | | | | | | | | | | | | | | | 37 | 110 | | | | |
| 190/ 63 | | | | | | | | | | | | | | | | | | | | 18 | 78 | | | | |
| 200/ 61 | | | | | | | | | | | | | | | | | | | | 12 | 71 | | | | |
| 210/ 59 | | | | | | | | | | | | | | | | | | | | 3 | 42 | | | | |
| 220/ 57 | | | | | | | | | | | | | | | | | | | | | 22 | | | | |
| 230/ 55 | | | | | | | | | | | | | | | | | | | | | 22 | | | | |
| 240/ 53 | | | | | | | | | | | | | | | | | | | | | 27 | | | | |
| 250/ 51 | | | | | | | | | | | | | | | | | | | | | 26 | | | | |
| 260/ 49 | | | | | | | | | | | | | | | | | | | | | 10 | | | | |
| 270/ 47 | | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| 280/ 45 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 290/ 43 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 300/ 41 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 310/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | .9 | 2.1 | 2.1 | 5.1 | 8.3 | 13.2 | 14.3 | 15.9 | 18.6 | 9.7 | 4.9 | 2.8 | 1.0 | | | | 891 | 891 | | 891 | | | | |
| Element (X) | ΣX ² | | ΣX | | Σ | | Σ _A | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | 2330267 | | 44067 | | 49.5 | | 13.017 | | 891 | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | |
| Dry Bulb | 6842477 | | 77935 | | 87.5 | | 5.360 | | 891 | | | | | | 90.0 | | 89.3 | | 82.1 | | 1.4 | | 93 | | |
| Wet Bulb | 4750132 | | 64963 | | 72.9 | | 3.981 | | 891 | | | | | | 82.9 | | 54.5 | | 1.3 | | | | 40 | | |
| Dew Point | 3856529 | | 58343 | | 65.5 | | 6.378 | | 891 | | | | | | 47.4 | | 8.9 | | | | | | 9 | | |

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 12/101 | | | | | | | | | | | | .1 | .1 | | | | | 2 | 2 | | | | | |
| 10/99 | | | | | | | | | | | .1 | .1 | .2 | | .1 | | | 5 | 5 | | | | | |
| 8/97 | | | | | | | | | | .1 | .0 | .4 | .4 | .2 | | | | 19 | 19 | | | | | |
| 6/95 | | | | | | | | | .6 | .9 | 1.5 | 1.0 | .7 | .2 | .1 | | | 44 | 44 | | | | | |
| 4/93 | | | | | | | | .3 | 1.2 | 2.4 | 2.1 | 1.3 | .7 | .7 | .1 | | | 79 | 79 | | | | | |
| 2/91 | | | | | | .1 | .1 | 1.3 | 2.9 | 3.0 | 3.8 | 1.3 | .9 | .1 | | | | 121 | 121 | | | | | |
| 0/89 | | | | | | | | 1.6 | 4.5 | 3.8 | 4.3 | 1.2 | 1.0 | .3 | | | | 149 | 149 | | | | | |
| 8/87 | | | | | | | .9 | 2.4 | 3.1 | 3.4 | 1.7 | 1.3 | .9 | .1 | | | | 127 | 127 | | | | | |
| 6/85 | | | | .1 | .5 | 1.5 | 1.2 | 2.8 | .9 | 1.9 | 1.2 | .4 | .2 | | | | | 97 | 97 | | | | | |
| 4/83 | | | | .2 | .5 | .9 | 1.3 | .9 | .1 | .9 | .9 | .3 | .3 | | | | | 59 | 59 | 1 | | | | |
| 2/81 | | | | .6 | 1.1 | 2.7 | .5 | .1 | .2 | .2 | .7 | | | | | | | 49 | 49 | 1 | | | | |
| 0/79 | | | .6 | .9 | 1.5 | .9 | .3 | .6 | .2 | .3 | .1 | | | | | | | 45 | 45 | 16 | | | | |
| 74/77 | | | .7 | 1.0 | 1.2 | | .2 | .2 | .1 | .1 | | | | | | | | 12 | 12 | 97 | | | | |
| 76/75 | | .2 | 1.2 | .7 | .4 | | .1 | | | | | | | | | | | 24 | 24 | 162 | | | | |
| 74/73 | | .3 | .7 | .7 | .1 | | | | | | | | | | | | | 18 | 18 | 215 | | | | |
| 72/71 | | .3 | .7 | .3 | | | | | | | | | | | | | | 12 | 12 | 170 | | | | |
| 70/69 | | | .2 | .1 | | | | | | | | | | | | | | 3 | 3 | 79 | | | | |
| 68/67 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | 71 | | | | |
| 66/65 | | | | | | | | | | | | | | | | | | | | 141 | | | | |
| 64/63 | | | | | | | | | | | | | | | | | | | | 119 | | | | |
| 62/61 | | | | | | | | | | | | | | | | | | | | 90 | | | | |
| 60/59 | | | | | | | | | | | | | | | | | | | | 78 | | | | |
| 58/57 | | | | | | | | | | | | | | | | | | | 4 | 36 | | | | |
| 56/57 | | | | | | | | | | | | | | | | | | | | 41 | | | | |
| 54/55 | | | | | | | | | | | | | | | | | | | | 24 | | | | |
| 52/53 | | | | | | | | | | | | | | | | | | | | 30 | | | | |
| 50/51 | | | | | | | | | | | | | | | | | | | | 20 | | | | |
| 48/49 | | | | | | | | | | | | | | | | | | | | 13 | | | | |
| 46/47 | | | | | | | | | | | | | | | | | | | | 7 | | | | |
| 44/45 | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 42/43 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 40/39 | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 38/37 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | .9 | 4.2 | 4.9 | 5.7 | 6.2 | 8.4 | 13.9 | 13.5 | 15.7 | 13.9 | 7.1 | 3.9 | 1.3 | .2 | | | 890 | 890 | 890 | | | | |
| | | | | | | | | | | | | | | | | | | 890 | 890 | | | | | |

| Element (X) | Σ x ² | Σ x | \bar{x} | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------------|-------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 2371877 | 45971 | 49.4 | 14.979 | 890 | ≥ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 6785644 | 77528 | 87.1 | 6.719 | 890 | | | 90.0 | 88.3 | 78.2 | 15.1 | 90 |
| Wet Bulb | 4682177 | 64461 | 72.4 | 3.881 | 890 | | | 82.3 | 50.0 | .9 | | 90 |
| Dew Point | 3773486 | 57668 | 64.8 | 6.439 | 890 | | | 42.7 | 6.3 | .1 | | 90 |

PSYCHROMETRIC SUMMARY

YEARS

182
MONTH

1270-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|--------------|-------------------------------------|-----|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-----|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 17 / 17 | | | | | | | | | | | | | | | | | | | | | | 9 | | |
| 15 / 15 | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| TOTAL | | 2.9 | 17.2 | 6.8 | 8.8 | 12.5 | 14.1 | 17.3 | 13.4 | 8.2 | 4.0 | 1.3 | .5 | | | | | | | 930 | 930 | 930 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

YEARS

MAF
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 10/ 95 | | | | | | | | .1 | .4 | | .2 | | .1 | | | | | 3 | 4 | | | | | |
| 34/ 83 | | | | | | | .6 | .8 | .2 | .4 | | .3 | | | | | | 22 | 22 | | | | | |
| 10/ 81 | | | | | .3 | .9 | .4 | .4 | .1 | .3 | .7 | .3 | .2 | | | | | 30 | 30 | | | | | |
| 10/ 79 | | | | | .8 | 1.0 | .7 | .6 | .5 | .8 | .3 | .1 | .1 | | | | | 41 | 41 | | | | | |
| 74/ 77 | | | | .1 | .4 | .3 | .6 | .5 | 1.5 | 1.0 | .5 | .4 | .1 | | | | | 52 | 52 | | | | | |
| 76/ 75 | | | | .2 | .4 | .5 | 1.1 | 1.7 | 1.1 | .4 | .6 | | | | | | | 57 | 57 | | | | | |
| 74/ 73 | | | .1 | .2 | .4 | 1.2 | 1.4 | .8 | .9 | 1.2 | .6 | .1 | | | | | | 64 | 64 | 7 | | | | |
| 72/ 71 | | | .1 | .4 | 1.1 | .9 | .3 | .9 | .9 | 1.1 | .5 | | | | | | | 56 | 56 | 24 | | | | |
| 71/ 69 | | | .2 | .8 | .6 | 1.0 | .9 | 1.3 | 1.3 | 1.0 | .6 | | | | | | | 71 | 71 | 32 | 9 | | | |
| 69/ 67 | | | .6 | .6 | .5 | 1.2 | .9 | 1.0 | 1.1 | 1.0 | .1 | | | | | | | 65 | 65 | 17 | 12 | | | |
| 66/ 65 | | .1 | 1.7 | .2 | .2 | .8 | .5 | .9 | 1.4 | .9 | .1 | | | | | | | 55 | 55 | 37 | 20 | | | |
| 64/ 53 | | .5 | .7 | .3 | .6 | .9 | .5 | 1.8 | 1.6 | .3 | | | | | | | | 65 | 65 | 65 | 26 | | | |
| 67/ 61 | | .6 | 1.9 | .8 | .3 | .9 | .8 | 1.8 | 1.5 | | | | | | | | | 79 | 79 | 87 | 20 | | | |
| 63/ 59 | | .5 | 1.7 | .3 | .3 | .4 | .5 | 1.5 | .6 | | | | | | | | | 50 | 50 | 68 | 46 | | | |
| 58/ 57 | | .4 | .2 | .4 | .7 | .3 | 1.1 | 1.4 | .2 | | | | | | | | | 40 | 40 | 45 | 50 | | | |
| 56/ 55 | | .1 | 1.7 | | .5 | .3 | 1.3 | 1.0 | | | | | | | | | | 43 | 43 | 69 | 45 | | | |
| 54/ 53 | | | .3 | .5 | .3 | .1 | 1.0 | .6 | | | | | | | | | | 31 | 31 | 55 | 55 | | | |
| 52/ 51 | | | .4 | .5 | .4 | .4 | .3 | .1 | | | | | | | | | | 21 | 21 | 62 | 36 | | | |
| 50/ 49 | | .2 | 1.6 | .1 | .2 | .2 | 1.2 | .1 | | | | | | | | | | 34 | 34 | 63 | 36 | | | |
| 48/ 47 | | .1 | .5 | .2 | .4 | .2 | .2 | | | | | | | | | | | 16 | 16 | 79 | 61 | | | |
| 46/ 45 | | .1 | .2 | .2 | .1 | .4 | .2 | | | | | | | | | | | 12 | 12 | 67 | 53 | | | |
| 44/ 43 | | .1 | .2 | .2 | .2 | .4 | | | | | | | | | | | | 11 | 11 | 33 | 39 | | | |
| 42/ 41 | | | | .3 | | | | | | | | | | | | | | 3 | 3 | 31 | 43 | | | |
| 40/ 39 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 16 | 40 | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 12 | 41 | | | |
| 36/ 35 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 14 | 40 | | | |
| 34/ 33 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 4 | 43 | | | |
| 32/ 31 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | 62 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 24 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 49 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | 29 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 18 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 14 | | | |
| Element (X) | Σ X ² | | Σ X | | X | | Σ X | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

THE WISDOM PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L A)

1000

USAFETAC

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL

75-84

MAR
MONTH

PAGE 2

0900-1100
HOURS (L.S.T.)

[illegible]

3

1

MAXWELL AFB AL

75-84

MAR
MONTH

PAGE 2

5500-0800
HOURS (L. S. T.)

[illegible]

JSAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL
STATION STATION NAME

75-84
YEARS

MAR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 40/ 79 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | | | | | |
| 76/ 75 | | | .1 | .1 | | .1 | | | | | | | | | | | | 3 | 3 | | | | | | |
| 74/ 73 | | .1 | .3 | .3 | .1 | .1 | | | | | | | | | | | | 9 | 9 | | | | | | |
| 72/ 71 | | .1 | .8 | | .1 | | | | | | | | | | | | | 9 | 9 | 4 | | | | | |
| 70/ 69 | | .9 | .6 | .2 | | .1 | | | | | | | | | | | | 16 | 16 | 6 | 4 | | | | |
| 68/ 67 | | .7 | .2 | .6 | .3 | .2 | .2 | | | | | | | | | | | 20 | 20 | 19 | 14 | | | | |
| 66/ 65 | | 1.0 | .9 | .2 | .3 | | | | | | | | | | | | | 22 | 22 | 13 | 16 | | | | |
| 64/ 63 | .1 | .9 | 1.6 | 1.3 | .1 | .1 | | | | | | | | | | | | 36 | 36 | 20 | 12 | | | | |
| 62/ 61 | .5 | 2.3 | 2.7 | .7 | .3 | | | | | | | | | | | | | 50 | 50 | 26 | 15 | | | | |
| 60/ 59 | .2 | 2.4 | 2.4 | .8 | .2 | .2 | .1 | | | | | | | | | | | 56 | 56 | 45 | 29 | | | | |
| 58/ 57 | | 2.2 | 1.6 | .9 | 1.2 | .1 | | | | | | | | | | | | 52 | 52 | 50 | 38 | | | | |
| 56/ 55 | | 2.9 | 3.2 | 1.6 | .7 | .5 | .1 | | | | | | | | | | | 76 | 73 | 59 | 45 | | | | |
| 54/ 53 | .1 | 2.2 | 2.9 | 1.2 | .9 | | | | | | | | | | | | | 61 | 61 | 46 | 49 | | | | |
| 52/ 51 | | 1.2 | 2.0 | 1.3 | .3 | .2 | | | | | | | | | | | | 43 | 43 | 54 | 48 | | | | |
| 50/ 49 | | 1.8 | 2.5 | 1.5 | 1.0 | .3 | | | | | | | | | | | | 63 | 63 | 60 | 47 | | | | |
| 48/ 47 | | 2.8 | 1.6 | 1.0 | 1.2 | .5 | | | | | | | | | | | | 61 | 61 | 59 | 40 | | | | |
| 46/ 45 | | 2.0 | 2.6 | 2.3 | 1.4 | .1 | | | | | | | | | | | | 73 | 73 | 63 | 57 | | | | |
| 44/ 43 | | .9 | 1.6 | 2.1 | .6 | .1 | | | | | | | | | | | | 46 | 46 | 47 | 44 | | | | |
| 42/ 41 | | .7 | 2.2 | 1.7 | .1 | .2 | | | | | | | | | | | | 43 | 43 | 53 | 49 | | | | |
| 40/ 39 | | .8 | 2.2 | 1.2 | .2 | | | | | | | | | | | | | 36 | 36 | 54 | 35 | | | | |
| 38/ 37 | | 1.4 | 1.4 | 1.2 | | | | | | | | | | | | | | 35 | 35 | 66 | 51 | | | | |
| 36/ 35 | | 1.2 | 1.4 | .6 | | | | | | | | | | | | | | 27 | 27 | 45 | 32 | | | | |
| 34/ 33 | | 1.2 | .5 | .1 | | | | | | | | | | | | | | 15 | 15 | 36 | 45 | | | | |
| 32/ 31 | | .3 | .1 | | | | | | | | | | | | | | | 4 | 4 | 21 | 67 | | | | |
| 30/ 29 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 12 | 39 | | | | |
| 28/ 27 | | .1 | .1 | .1 | | | | | | | | | | | | | | 3 | 3 | 2 | 34 | | | | |
| 26/ 25 | | | .3 | | | | | | | | | | | | | | | 3 | 3 | 2 | 17 | | | | |
| 24/ 23 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 3 | 4 | | | | |
| 22/ 21 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 2 | 9 | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 2 | 14 | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 6 | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Element (X) | Σx^2 | | Σx | | \bar{x} | σ_x | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | | | |
| Rel. Hum. | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM 0 26-5 (OL A) REPRODUCED BY AIR FORCE GPO
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

FFS
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORMS 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

76-85

FEB
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

YEARS

MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

3

PSYCHROMETRIC SUMMA

75-64

STATION

STATION NAME

YEARS

30
MONTH

PAGE 1 0600-1
HOURS (L. 1)

[illegible]

PSYCHROMETRIC SUMMA

YEARS

 JUL
MONTH

PAGE 1 0300-0
HOURS (L. S.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew | | | |
| 127/81 | | | | | .5 | | | | | | | | | | | | | 1 | 1 | | | | | |
| 125/79 | | | | .9 | 1.4 | | | | | | | | | | | | | 5 | 5 | | | | | |
| 75/77 | | .9 | 6.4 | 2.8 | 1.4 | | | | | | | | | | | | | 25 | 25 | | | | | |
| 76/75 | .5 | 9.6 | 6.9 | 11.3 | 1.4 | | | | | | | | | | | | | 64 | 64 | 8 | | | | |
| 74/73 | 1.4 | 14.7 | 7.8 | 7.3 | .9 | | | | | | | | | | | | | 70 | 70 | 47 | | | | |
| 72/71 | 1.4 | 5.0 | 7.7 | 1.4 | .9 | | | | | | | | | | | | | 35 | 35 | 67 | | | | |
| 70/69 | .5 | 2.8 | 2.8 | .9 | .5 | | | | | | | | | | | | | 16 | 16 | 55 | | | | |
| 68/67 | | | .5 | | .5 | | | | | | | | | | | | | 2 | 2 | 28 | | | | |
| 66/65 | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| 64/63 | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| 62/61 | | | | | | | | | | | | | | | | | | | | | | | | |
| 60/59 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 52/51 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 3.7 | 33.0 | 31.7 | 24.3 | 7.3 | | | | | | | | | | | | | 216 | 218 | 218 | | | | |
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PSYCHROMETRIC SUMM

75-84

PAGE 1 2100
HOURS

[illegible]

PSYCHROMETRIC SUMM

722265

MAXWELL AFB AL

75-84

PAGE 1 1800
HOURS (

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMI

75-84

YEARS

PAGE 1 150
HOURS

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMM

PAGE 2 1530
HOURS (

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAI
MONTH

PAGE 1 1800-
HOURS (L.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|--------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew | | | |
| 95 / 79 | | | | | .3 | .1 | .2 | .1 | | .1 | .1 | | | | | | | 9 | 9 | | | | | |
| 73 / 77 | | | | .2 | .4 | .2 | .5 | .1 | | .1 | .1 | | | | | | | 21 | 21 | | | | | |
| 76 / 75 | | | .1 | .5 | .5 | .3 | .7 | .5 | .4 | .3 | .1 | | | | | | | 37 | 37 | | | | | |
| 74 / 73 | | | | .9 | .7 | .7 | .2 | 1.1 | .3 | | .3 | | | | | | | 38 | 38 | 1 | | | | |
| 72 / 71 | | .1 | | .5 | .8 | .9 | 1.2 | .7 | .9 | .3 | | | | | | | | 46 | 46 | 6 | | | | |
| 70 / 69 | | .1 | .5 | .3 | 1.5 | 1.7 | 1.7 | .7 | .7 | .2 | | | | | | | | 62 | 62 | 16 | | | | |
| 68 / 67 | .1 | .3 | 1.3 | .9 | .7 | .9 | 1.3 | 1.0 | .4 | .3 | | | | | | | | 64 | 64 | 26 | | | | |
| 66 / 65 | .1 | .2 | 1.1 | 1.1 | .5 | 1.3 | 1.3 | .8 | 1.1 | .1 | | | | | | | | 67 | 67 | 32 | | | | |
| 64 / 63 | | 1.1 | 1.4 | .9 | .8 | .4 | 1.2 | 1.6 | .2 | | | | | | | | | 66 | 66 | 40 | | | | |
| 62 / 61 | .1 | 1.2 | .3 | 1.1 | 1.1 | 1.3 | 1.2 | 1.5 | .4 | | | | | | | | | 76 | 76 | 59 | | | | |
| 60 / 59 | | .7 | 1.3 | 1.4 | .8 | .9 | 1.8 | .8 | .1 | | | | | | | | | 70 | 70 | 77 | | | | |
| 58 / 57 | | .5 | 1.4 | 1.1 | 1.7 | 1.1 | 1.0 | .8 | .1 | | | | | | | | | 71 | 71 | 63 | | | | |
| 56 / 55 | | .4 | 1.2 | 1.4 | .9 | 1.3 | 2.0 | .9 | .3 | | | | | | | | | 73 | 73 | 69 | | | | |
| 54 / 53 | | .7 | .7 | .2 | .9 | 1.3 | 1.3 | .3 | | | | | | | | | | 49 | 49 | 75 | | | | |
| 52 / 51 | | .2 | 1.1 | .3 | 1.2 | 1.5 | .7 | | | | | | | | | | | 46 | 46 | 70 | | | | |
| 50 / 49 | | .5 | .7 | .3 | .8 | 1.2 | .5 | | | | | | | | | | | 37 | 37 | 86 | | | | |
| 48 / 47 | | | .9 | 1.1 | 1.3 | .2 | .1 | | | | | | | | | | | 32 | 32 | 60 | | | | |
| 46 / 45 | | | .1 | .9 | .7 | .4 | .2 | | | | | | | | | | | 21 | 21 | 49 | | | | |
| 44 / 43 | | | .3 | .7 | .4 | .2 | | | | | | | | | | | | 15 | 15 | 58 | | | | |
| 42 / 41 | | .2 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 6 | 6 | 52 | | | | |
| 40 / 39 | | .1 | .4 | .2 | | | | | | | | | | | | | | 7 | 7 | 36 | | | | |
| 38 / 37 | | | | | .2 | | | | | | | | | | | | | 2 | 2 | 19 | | | | |
| 36 / 35 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 15 | | | | |
| 34 / 33 | | | .2 | | | | | | | | | | | | | | | 2 | 2 | 6 | | | | |
| 32 / 31 | | | | .2 | .1 | | | | | | | | | | | | | 3 | 3 | 3 | | | | |
| 30 / 29 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 28 / 27 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 / 25 | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 24 / 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 / 21 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 / 19 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 / 17 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 / 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 / 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X' | | Σ X | | X | | Σ X | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

| | |
|---------|----------------|
| 172265 | MAXWELL AFB AL |
| STATION | STATION NAME |

75-84

YEARS

MA
MONTI

PAGE 2 1800-
HOURS (L.

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMA

MAN
MONTH

PAGE 1 2100-21
HOURS 11. 5.

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|----------------|------|------|------------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|------|-----------|----------|----------|-----|--------|--|--|--------|--|--|--------|--|--|-----|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew | | | | | | | | | | | | | | |
| 70/ 75 | | | .1 | .7 | | | | | | | .1 | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | |
| 74/ 73 | | | .1 | .8 | .2 | .1 | | | | | | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 72/ 71 | | | 1.0 | .4 | .9 | .1 | | .2 | | .1 | | | | | | | | 28 | 28 | | 4 | | | | | | | | | | | | | | |
| 70/ 69 | | .3 | .2 | .6 | .2 | .2 | 1.0 | .1 | .1 | | | | | | | | | 33 | 33 | | 8 | | | | | | | | | | | | | | |
| 68/ 67 | .2 | .5 | 2.1 | .9 | .6 | 1.0 | .2 | .2 | .1 | | | | | | | | | 51 | 51 | | 21 | | | | | | | | | | | | | | |
| 66/ 65 | .1 | .5 | 1.2 | 1.4 | 1.7 | .6 | .1 | .5 | | | | | | | | | | 52 | 52 | | 36 | | | | | | | | | | | | | | |
| 64/ 63 | | 1.0 | 2.3 | .7 | .9 | 1.3 | .3 | | .1 | | | | | | | | | 58 | 58 | | 25 | | | | | | | | | | | | | | |
| 62/ 61 | | 1.5 | 1.3 | 1.5 | 1.3 | .9 | .2 | .3 | | | | | | | | | | 59 | 59 | | 35 | | | | | | | | | | | | | | |
| 60/ 59 | | 1.2 | .8 | 2.2 | 1.2 | .9 | .9 | .2 | | | | | | | | | | 64 | 64 | | 57 | | | | | | | | | | | | | | |
| 58/ 57 | | .3 | 1.4 | 2.8 | 1.0 | 1.6 | .5 | | | | | | | | | | | 56 | 66 | | 58 | | | | | | | | | | | | | | |
| 56/ 55 | | 1.6 | 2.3 | 2.3 | 1.5 | .7 | .2 | | | | | | | | | | | 75 | 75 | | 45 | | | | | | | | | | | | | | |
| 54/ 53 | | .7 | 1.5 | 1.5 | 1.2 | .6 | .3 | | | | | | | | | | | 50 | 50 | | 65 | | | | | | | | | | | | | | |
| 52/ 51 | | 1.2 | 2.1 | 1.9 | 2.0 | 1.4 | .3 | | | | | | | | | | | 76 | 76 | | 80 | | | | | | | | | | | | | | |
| 50/ 49 | .1 | .2 | 1.9 | 1.9 | 1.7 | .9 | .3 | | | | | | | | | | | 61 | 61 | | 76 | | | | | | | | | | | | | | |
| 48/ 47 | | .3 | .9 | 1.9 | 1.6 | .2 | .2 | | | | | | | | | | | 45 | 45 | | 63 | | | | | | | | | | | | | | |
| 46/ 45 | | .2 | 1.3 | 1.5 | 1.3 | .1 | | | | | | | | | | | | 36 | 36 | | 50 | | | | | | | | | | | | | | |
| 44/ 43 | | | .6 | 2.8 | .5 | .2 | | | | | | | | | | | | 35 | 35 | | 51 | | | | | | | | | | | | | | |
| 42/ 41 | | .1 | 1.7 | .6 | .3 | | | | | | | | | | | | | 18 | 18 | | 56 | | | | | | | | | | | | | | |
| 40/ 39 | | .5 | .9 | .5 | .3 | | | | | | | | | | | | | 19 | 19 | | 42 | | | | | | | | | | | | | | |
| 38/ 37 | | .1 | .6 | .1 | .1 | | | | | | | | | | | | | 8 | 8 | | 49 | | | | | | | | | | | | | | |
| 36/ 35 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | 17 | | | | | | | | | | | | | | |
| 34/ 33 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | 12 | | | | | | | | | | | | | | |
| 32/ 31 | | | .3 | | | | | | | | | | | | | | | 3 | 3 | | 4 | | | | | | | | | | | | | | |
| 30/ 29 | | | .1 | .2 | | | | | | | | | | | | | | 3 | 3 | | 2 | | | | | | | | | | | | | | |
| 28/ 27 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | 3 | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | .5 | 10.3 | 24.4 | 24.0 | 18.7 | 11.0 | 4.9 | 1.6 | .3 | .1 | .1 | | | | | | | 863 | 863 | | 863 | | | | | | | | | | | | | | |
| Element (X) | Z _x ¹ | | | Z _x | | | Z | | | e _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 3933753 | | | 56741 | | | 65.715.350 | | | 863 | | | ± 0 F | | | ± 32 F | | | ± 67 F | | | ± 73 F | | | ± 80 F | | | ± 93 F | | | Tot | | | | |
| Dry Bulb | 2814756 | | | 48660 | | | 56.49.080 | | | 863 | | | | | | .8 | | | 14.1 | | | 2.0 | | | | | | | | | | | | | |
| Wet Bulb | 2276657 | | | 43615 | | | 50.59.178 | | | 863 | | | | | | 1.4 | | | 3.6 | | | | | | | | | | | | | | | | |
| Dew Point | 1825078 | | | 38356 | | | 44.411.816 | | | 863 | | | | | | 17.8 | | | 1.9 | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMA

| | |
|---------|----------------|
| 722265 | MAXWELL AFB AL |
| STATION | STATION NAME |

75-24

YEARS

APR
MONTH

PAGE 1 0600-0
HOURS (L. S.)

[illegible]

PSYCHROMETRIC SUMMARY

75-84

YEARS

APR
MONTH

PAGE 1 0900-1100
HOURS (G. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 86/ 85 | | | | | | | .1 | .4 | .1 | .1 | .4 | .6 | | | | | | 6 | 6 | | | | | |
| 84/ 83 | | | | | | | .1 | .4 | .1 | .1 | .4 | .3 | | | | | | 14 | 14 | | | | | |
| 82/ 81 | | | | | .1 | .1 | .7 | .1 | .7 | .6 | .2 | | | | | | | 22 | 22 | | | | | |
| 80/ 79 | | | | .1 | .3 | 1.2 | .7 | .9 | 1.0 | .6 | .4 | | | | | | | 47 | 47 | | | | | |
| 78/ 77 | | | .1 | .6 | .9 | 1.2 | .9 | 1.1 | .9 | .6 | | | | | | | | 56 | 56 | | | | | |
| 76/ 75 | | | .3 | .9 | 1.4 | 1.7 | 1.9 | .9 | .9 | .4 | .1 | | | | | | | 77 | 77 | | | | | |
| 74/ 73 | | | .7 | 1.8 | 1.4 | 1.4 | 1.6 | .9 | .3 | .6 | | | | | | | | 75 | 75 | 7 | | | | |
| 72/ 71 | | .3 | .8 | 1.1 | 1.0 | 1.4 | 1.0 | .9 | 1.2 | .9 | | | | | | | | 78 | 78 | 24 | | | | |
| 70/ 69 | | .1 | 1.8 | 1.1 | 1.4 | 1.2 | 1.0 | 1.7 | .7 | .4 | | | | | | | | 85 | 85 | 18 | | | | |
| 68/ 67 | | .7 | 1.2 | 1.7 | 1.1 | 1.0 | 1.7 | 1.8 | .9 | | | | | | | | | 90 | 90 | 63 | | | | |
| 66/ 65 | | .6 | 1.0 | 1.6 | 1.1 | 1.4 | 2.0 | 1.0 | .6 | | | | | | | | | 83 | 83 | 86 | | | | |
| 64/ 63 | .1 | .2 | .6 | 1.2 | 1.0 | 1.6 | 1.3 | 1.1 | .7 | | | | | | | | | 76 | 76 | 96 | | | | |
| 62/ 61 | | 1.2 | .4 | .9 | .9 | 1.2 | .6 | .9 | .2 | | | | | | | | | 57 | 57 | 101 | | | | |
| 60/ 59 | | .3 | .4 | .3 | .6 | .9 | .9 | .7 | | | | | | | | | | 37 | 37 | 76 | | | | |
| 58/ 57 | | .1 | .6 | .3 | .8 | 1.1 | .9 | .4 | | | | | | | | | | 38 | 38 | 71 | | | | |
| 56/ 55 | | .2 | .7 | .1 | .9 | .3 | .6 | .1 | | | | | | | | | | 26 | 26 | 73 | | | | |
| 54/ 53 | | .2 | .5 | .1 | .3 | .2 | .2 | | | | | | | | | | | 15 | 15 | 78 | | | | |
| 52/ 51 | | .1 | .1 | | .1 | .2 | .1 | | | | | | | | | | | 6 | 6 | 54 | | | | |
| 50/ 49 | | | | | .2 | .3 | | | | | | | | | | | | 5 | 5 | 49 | | | | |
| 48/ 47 | | | | | .2 | .1 | | | | | | | | | | | | 3 | 3 | 38 | | | | |
| 46/ 45 | | | | | .3 | | | | | | | | | | | | | 3 | 3 | 11 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 12 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | .1 | 4.4 | 8.9 | 11.8 | 14.2 | 16.9 | 16.4 | 12.7 | 8.1 | 4.4 | 1.7 | | | | | | | 899 | 899 | 899 | | | | |
| Element (X) | Z ₁ | Z ₂ | Z ₃ | Z ₄ | Z ₅ | Z ₆ | Z ₇ | Z ₈ | Z ₉ | Z ₁₀ | Z ₁₁ | Z ₁₂ | Z ₁₃ | Z ₁₄ | Z ₁₅ | Z ₁₆ | Z ₁₇ | Z ₁₈ | Z ₁₉ | Z ₂₀ | | | | |
| Rel. Hum. | 3047620 | 50090 | 55.7 | 16.908 | 899 | ± 0 F | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F | Total | | | | | | | | | | | | |
| Dry Bulb | 4281694 | 61660 | 68.6 | 7.653 | 899 | | | 55.1 | 29.7 | 7.2 | | | | | | | | | | | | | | |
| Wet Bulb | 3168440 | 52972 | 58.9 | 7.247 | 899 | | | 13.8 | .7 | | | | | | | | | | | | | | | |
| Dew Point | 2439791 | 45867 | 51.0 | 10.497 | 899 | | | 4.8 | 3.4 | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

75-84

YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|----|--|--|--|--|--|--|--|--|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 50 / 89 | | | | | | | | | .1 | | | .3 | .2 | | | | | | 6 | 6 | | | | | | | | | | | | | | |
| 48 / 87 | | | | | | | | | .3 | | .7 | .7 | .1 | .3 | | | | | 19 | 19 | | | | | | | | | | | | | | |
| 46 / 85 | | | | | | | | 1.6 | .8 | .2 | 1.3 | 1.1 | .3 | | | | | | 48 | 48 | | | | | | | | | | | | | | |
| 44 / 83 | | | | | | .2 | .3 | 1.2 | 1.7 | .9 | 1.4 | 1.0 | .1 | | | | | | 62 | 62 | | | | | | | | | | | | | | |
| 42 / 81 | | | | | .3 | .3 | 1.2 | 2.3 | 1.6 | 1.7 | 2.4 | .8 | .1 | .1 | | | | | 98 | 98 | | | | | | | | | | | | | | |
| 40 / 79 | | | .2 | .1 | .9 | 1.7 | 1.0 | .8 | 1.8 | 1.6 | .1 | | | | | | | | 73 | 73 | | | | | | | | | | | | | | |
| 38 / 77 | | | .4 | .7 | 1.7 | 1.0 | .8 | .7 | 1.4 | 1.3 | .8 | | | | | | | | 73 | 73 | | | | | | | | | | | | | | |
| 36 / 75 | | .2 | .6 | .7 | 1.9 | 1.1 | .8 | 1.0 | 1.3 | 1.8 | .1 | | | | | | | | 77 | 77 | | | | | | | | | | | | | | |
| 34 / 73 | | .3 | .6 | .4 | .8 | .8 | .6 | .8 | 1.4 | 1.7 | .1 | | | | | | | | 67 | 67 | 11 | | | | | | | | | | | | | |
| 32 / 71 | | .4 | 1.0 | .3 | .6 | .6 | .4 | 1.6 | 1.8 | .4 | | | | | | | | | 54 | 54 | 38 | 2 | | | | | | | | | | | | |
| 30 / 69 | .3 | 1.1 | 1.4 | .9 | .9 | 1.3 | 1.3 | 1.3 | 1.7 | .2 | | | | | | | | | 35 | 35 | 71 | 11 | | | | | | | | | | | | |
| 28 / 67 | .1 | .8 | .4 | .7 | .4 | .4 | 1.1 | 1.8 | .9 | | | | | | | | | | 58 | 58 | 80 | 13 | | | | | | | | | | | | |
| 26 / 65 | .4 | .4 | .9 | .1 | .3 | 1.0 | .6 | 1.3 | | | | | | | | | | | 46 | 46 | 94 | 39 | | | | | | | | | | | | |
| 24 / 63 | .3 | .3 | .3 | .6 | .3 | .6 | .7 | .4 | .3 | | | | | | | | | | 35 | 35 | 97 | 54 | | | | | | | | | | | | |
| 22 / 61 | .6 | .2 | .7 | .3 | | .4 | .4 | .6 | .3 | | | | | | | | | | 32 | 32 | 99 | 75 | | | | | | | | | | | | |
| 20 / 59 | .3 | .2 | .2 | | .2 | .3 | .3 | .1 | | | | | | | | | | | 16 | 16 | 68 | 47 | | | | | | | | | | | | |
| 18 / 57 | .3 | .3 | .1 | | .4 | .1 | .1 | | | | | | | | | | | | 13 | 13 | 73 | 45 | | | | | | | | | | | | |
| 16 / 55 | .7 | .2 | | | .1 | .3 | .1 | | | | | | | | | | | | 13 | 13 | 90 | 69 | | | | | | | | | | | | |
| 14 / 53 | | | | | .4 | .1 | | | | | | | | | | | | | 5 | 5 | 67 | 52 | | | | | | | | | | | | |
| 12 / 51 | | | | | | | | | | | | | | | | | | | | | 47 | 49 | | | | | | | | | | | | |
| 10 / 49 | | | | | | | | | | | | | | | | | | | | | 35 | 54 | | | | | | | | | | | | |
| 8 / 47 | | | | | | | | | | | | | | | | | | | | | 12 | 52 | | | | | | | | | | | | |
| 6 / 45 | | | | | | | | | | | | | | | | | | | | | 8 | 51 | | | | | | | | | | | | |
| 4 / 43 | | | | | | | | | | | | | | | | | | | | | 9 | 48 | | | | | | | | | | | | |
| 2 / 41 | | | | | | | | | | | | | | | | | | | | | 1 | 40 | | | | | | | | | | | | |
| 0 / 39 | | | | | | | | | | | | | | | | | | | | | | 38 | | | | | | | | | | | | |
| 38 / 37 | | | | | | | | | | | | | | | | | | | | | | 39 | | | | | | | | | | | | |
| 36 / 35 | | | | | | | | | | | | | | | | | | | | | | 47 | | | | | | | | | | | | |
| 34 / 33 | | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | | | |
| 32 / 31 | | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | |
| 30 / 29 | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | |
| 28 / 27 | | | </ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

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YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

722255
STATION

MAXWELL AFB AL
STATION NAME

75-84

YEARS

ADD
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

ALPHAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722755 STATION MAXWELL AFB AL

75-84

YEARS

APR
MONTH

PAGE 1 1970-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 36/ 85 | | | | | | | | | | | | | .1 | | | | | 1 | 1 | | | |
| 34/ 83 | | | | | | | .1 | | | .3 | | .1 | .1 | | | | | 6 | 5 | | | |
| 32/ 81 | | | | | .1 | .1 | .3 | .5 | .1 | .5 | .2 | | | | | | | 16 | 15 | | | |
| 30/ 79 | | | | | .1 | .7 | .7 | 1.1 | .6 | .6 | .3 | | | | | | | 36 | 35 | | | |
| 28/ 77 | | | | .2 | 1.5 | 1.7 | 1.2 | 1.1 | 1.5 | .2 | .2 | .1 | | | | | | 63 | 63 | | | |
| 26/ 75 | | | .1 | .1 | .9 | 2.7 | 1.4 | 1.1 | 1.4 | .2 | .2 | | | | | | | 66 | 66 | | | |
| 24/ 73 | | | | 1.0 | 1.8 | 1.6 | 1.6 | 1.7 | .8 | .1 | | | | | | | | 76 | 76 | 2 | | |
| 22/ 71 | | .2 | .2 | 1.1 | 1.8 | 2.7 | 1.7 | 1.1 | 1.0 | .3 | | | | | | | | 91 | 91 | 8 | | |
| 20/ 69 | | .1 | 1.6 | 1.0 | 1.7 | 1.9 | 1.5 | 1.2 | 1.2 | .1 | | | | | | | | 92 | 92 | 30 | 6 | |
| 18/ 67 | | .5 | 2.3 | .9 | .7 | .9 | 1.9 | 1.0 | .8 | .2 | | | | | | | | 86 | 86 | 52 | 6 | |
| 16/ 65 | | .6 | 1.0 | 1.5 | 1.4 | 1.4 | 1.5 | .8 | .6 | | | | | | | | | 76 | 76 | 93 | 36 | |
| 14/ 63 | | .6 | .7 | 1.2 | .8 | 1.7 | 2.0 | 1.5 | .8 | | | | | | | | | 82 | 82 | 100 | 50 | |
| 12/ 61 | | | .9 | 1.0 | 1.0 | 1.7 | .7 | 1.1 | .1 | | | | | | | | | 51 | 51 | 178 | 58 | |
| 10/ 59 | 1.0 | .2 | .9 | .8 | 1.6 | 1.1 | .5 | | | | | | | | | | | 60 | 60 | 82 | 54 | |
| 8/ 57 | | .5 | .3 | .2 | 1.2 | 1.7 | .9 | .1 | | | | | | | | | | 38 | 34 | 92 | 77 | |
| 6/ 55 | | .1 | .2 | .3 | .3 | .0 | .3 | .1 | | | | | | | | | | 20 | 20 | 74 | 50 | |
| 4/ 53 | | .1 | | .3 | | .3 | .1 | | | | | | | | | | | 8 | 8 | 78 | 71 | |
| 2/ 51 | | .1 | | .1 | .3 | .1 | .1 | | | | | | | | | | | 7 | 7 | 50 | 62 | |
| 0/ 49 | | | | .2 | .2 | .1 | | | | | | | | | | | | 5 | 5 | 53 | 63 | |
| 40/ 47 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | 39 | 47 | |
| 48/ 45 | | | | | | | | | | | | | | | | | | | | 12 | 49 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 11 | 41 | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 5 | 49 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 2 | 37 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 30 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 28 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 21 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 24 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 6 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 4 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 3 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 3.7 | 9.4 | 10.3 | 14.9 | 18.4 | 17.3 | 13.1 | 9.9 | 2.6 | 1.7 | .2 | .2 | | | | | | 881 | 881 | 881 | 881 | |
| Element (X) | Σ x' | Σ x | Σ | Σ | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | | | | | | | | | | | |
| Rel. Hum. | 2929745 | 48747 | 55.3 | 16.254 | 881 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | |
| Dry Bulb | 4153556 | 60172 | 68.3 | 7.057 | 881 | | | 54.4 | 27.0 | 3.7 | | 97 | | | | | | | | | | |
| Wet Bulb | 3066027 | 51647 | 58.6 | 6.599 | 881 | | | 9.4 | .2 | | | 90 | | | | | | | | | | |
| Dew Point | 2341197 | 44607 | 50.6 | 9.691 | 881 | | 3.8 | 1.2 | | | | 50 | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

AD-A159 603

MAXWELL AFB ALABAMA LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (LISOCs..IU) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 85
USAFETAC/DS-85/025

4/4

UNCLASSIFIED

F/G 4/3

UL

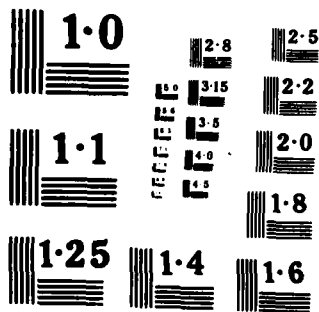
END

DATE

FILED

11-85

DTI



3.

1

75-84

YEARS

OCT
MONTH

HOURS (L. S. T.)

[illegible]

FORMS
PAGE 44

USAFETYAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL

75-84

YEARS

OCT
MONTH

PAGE 2

1530-1730
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

122265
STATION

MAXWELL AFB AL

75-84

OCT
MONTH

PAGE 1 1800-2000
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATION

MAXWELL AFB AL STATION NAME

75-84

YEARS

QCT
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

3

4

NOV
MONTH

0600-0800
HOURS (L. S. Y.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|-------|------|------|------|--------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 72/ 71 | | | .2 | .4 | | | | | | | | | | | | | | 5 | 5 | | | | | |
| 72/ 69 | | .1 | 1.1 | .4 | | | | | | | | | | | | | | 13 | 13 | | | | | |
| 60/ 67 | | 1.4 | 1.7 | .1 | | | | | | | | | | | | | | 26 | 26 | 4 | | | | |
| 56/ 65 | | 2.0 | 1.4 | .4 | | | | | | | | | | | | | | 30 | 30 | 28 | 9 | | | |
| 64/ 63 | .2 | 2.2 | 2.7 | .9 | | | | | | | | | | | | | | 49 | 49 | 36 | 3 | | | |
| 62/ 61 | .2 | 2.2 | 2.2 | .9 | | | | | | | | | | | | | | 45 | 45 | 28 | 29 | | | |
| 66/ 59 | .4 | 1.7 | 3.7 | 1.0 | | | | | | | | | | | | | | 55 | 55 | 52 | 29 | | | |
| 54/ 57 | | 1.4 | 2.3 | 1.2 | .4 | | | | | | | | | | | | | 43 | 43 | 41 | 45 | | | |
| 56/ 55 | | .4 | 3.0 | 1.2 | .4 | .1 | | | | | | | | | | | | 41 | 41 | 45 | 29 | | | |
| 54/ 53 | | 1.2 | 2.3 | .6 | .9 | | | | | | | | | | | | | 41 | 41 | 31 | 37 | | | |
| 52/ 51 | .5 | 1.4 | 2.2 | 1.0 | .4 | | | | | | | | | | | | | 44 | 44 | 48 | 40 | | | |
| 50/ 49 | .2 | 2.2 | 3.0 | 2.0 | .9 | | | | | | | | | | | | | 67 | 67 | 46 | 43 | | | |
| 48/ 47 | .2 | 2.0 | 2.2 | 1.1 | .2 | | | | | | | | | | | | | 47 | 47 | 46 | 37 | | | |
| 46/ 45 | .2 | 2.5 | 2.5 | 1.6 | .4 | | | | | | | | | | | | | 58 | 58 | 57 | 37 | | | |
| 44/ 43 | .1 | 2.0 | 2.8 | 1.7 | .1 | | | | | | | | | | | | | 55 | 55 | 60 | 54 | | | |
| 42/ 41 | .4 | 1.7 | 1.7 | 1.0 | .2 | | | | | | | | | | | | | 41 | 41 | 54 | 50 | | | |
| 40/ 39 | .4 | 1.7 | 1.7 | .1 | .1 | | | | | | | | | | | | | 33 | 33 | 52 | 39 | | | |
| 38/ 37 | .5 | 2.5 | 1.4 | .4 | | | | | | | | | | | | | | 42 | 42 | 51 | 43 | | | |
| 36/ 35 | .5 | 1.4 | 1.1 | .6 | | | | | | | | | | | | | | 29 | 29 | 47 | 62 | | | |
| 34/ 33 | .4 | 1.2 | .7 | | | | | | | | | | | | | | | 19 | 19 | 29 | 48 | | | |
| 32/ 31 | .2 | 1.4 | .5 | | | | | | | | | | | | | | | 21 | 21 | 22 | 53 | | | |
| 30/ 29 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 24 | 26 | | | |
| 28/ 27 | .1 | .4 | | | | | | | | | | | | | | | | 4 | 4 | 4 | 21 | | | |
| 26/ 25 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 4 | 21 | | | |
| 24/ 23 | | .7 | | | | | | | | | | | | | | | | 2 | 2 | | 4 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 2 | 10 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| TOTAL | 4.7 | 33.6 | 41.0 | 16.5 | 3.9 | .1 | | | | | | | | | | | | 813 | 813 | 813 | 813 | | | |
| | | | | | | | | | | | | | | | | | | | | | 813 | | 813 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | 5118668 | | 63840 | | 78.5 | | 11.409 | | 813 | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | 2159996 | | 41060 | | 50.5 | | 10.309 | | 813 | | | | 3.3 | | 4.9 | | | | | | | | 90 | |
| Wet Bulb | 1906241 | | 38489 | | 47.3 | | 10.177 | | 813 | | | | 6.2 | | .4 | | | | | | | | 90 | |
| Dew Point | 1672099 | | 35683 | | 43.9 | | 11.423 | | 813 | | | | 16.1 | | | | | | | | | | 90 | |

USAFETAC NORMA 0-20-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

JSAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATE DATA
 GRAFETAO
 AIR WEATHER SERVICE

MEANS AND STANDARD DEVIATIONS

HYDROLOGICAL TEMPERATURES OF GRAFETAO

722265 GRAFETAO

1945

| STATION | NAME | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---------|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 3-05 | MEAN | | | | | 53.2 | 70.8 | 74.6 | 73.1 | 63.2 | 56.1 | | | 65.1 |
| | S.D. | | | | | 5.496 | 4.278 | 2.381 | 2.512 | 5.676 | 9.070 | | | 7.747 |
| | TOTAL OBS | | | | | 219 | 214 | 213 | 219 | 212 | 194 | | | 1275 |
| 16-08 | MEAN | 77.2 | 42.6 | 51.4 | 59.3 | 67.5 | 74.9 | 77.1 | 75.8 | 70.2 | 59.2 | 57.5 | 44.2 | 65.1 |
| | S.D. | 10.664 | 10.396 | 9.680 | 7.308 | 6.104 | 4.581 | 3.648 | 3.278 | 6.206 | 6.745 | 10.291 | 11.456 | 15.469 |
| | TOTAL OBS | 794 | 765 | 669 | 854 | 930 | 891 | 930 | 929 | 900 | 916 | 813 | 697 | 10290 |
| 7-11 | MEAN | 42.6 | 49.5 | 59.8 | 68.6 | 75.9 | 83.4 | 84.9 | 84.0 | 79.1 | 69.2 | 59.1 | 50.5 | 67.5 |
| | S.D. | 10.337 | 10.400 | 9.765 | 7.653 | 6.301 | 4.829 | 5.072 | 4.312 | 6.812 | 7.866 | 9.723 | 10.853 | 16.256 |
| | TOTAL OBS | 585 | 649 | 930 | 899 | 930 | 891 | 929 | 930 | 900 | 907 | 897 | 843 | 10813 |
| 12-14 | MEAN | 46.7 | 56.3 | 65.9 | 74.1 | 80.4 | 87.5 | 89.2 | 88.5 | 84.0 | 75.2 | 65.5 | 57.2 | 72.9 |
| | S.D. | 10.554 | 11.471 | 10.083 | 7.907 | 6.705 | 5.360 | 5.552 | 4.560 | 7.532 | 7.572 | 9.899 | 11.293 | 15.676 |
| | TOTAL OBS | 697 | 849 | 930 | 900 | 930 | 891 | 926 | 930 | 900 | 907 | 897 | 837 | 10807 |
| 15-17 | MEAN | 49.5 | 57.5 | 66.8 | 74.8 | 80.2 | 87.1 | 87.9 | 87.4 | 83.1 | 74.3 | 64.2 | 56.5 | 72.7 |
| | S.D. | 10.112 | 11.174 | 10.022 | 7.712 | 6.444 | 5.019 | 6.926 | 5.588 | 7.649 | 7.677 | 9.781 | 11.155 | 15.279 |
| | TOTAL OBS | 687 | 847 | 930 | 900 | 930 | 892 | 915 | 930 | 900 | 907 | 897 | 816 | 10759 |
| 18-20 | MEAN | 44.1 | 51.5 | 61.0 | 68.3 | 74.0 | 81.4 | 82.4 | 81.4 | 76.4 | 66.2 | 57.1 | 40.4 | 66.8 |
| | S.D. | 9.543 | 9.834 | 9.220 | 7.057 | 5.940 | 5.356 | 5.841 | 4.553 | 6.344 | 7.073 | 9.362 | 10.766 | 14.443 |
| | TOTAL OBS | 594 | 641 | 923 | 881 | 914 | 891 | 909 | 929 | 894 | 871 | 897 | 772 | 10661 |
| 21-23 | MEAN | 41.1 | 47.4 | 56.4 | 62.8 | 69.4 | 76.5 | 78.5 | 77.6 | 72.7 | 62.2 | 52.5 | 47.7 | 60.4 |
| | S.D. | 9.854 | 9.810 | 9.380 | 6.643 | 5.451 | 3.784 | 3.974 | 3.136 | 5.705 | 7.693 | 9.782 | 11.092 | 14.756 |
| | TOTAL OBS | 575 | 619 | 863 | 771 | 600 | 544 | 600 | 620 | 600 | 471 | 546 | 761 | 5551 |
| ALL | MEAN | 43.1 | 51.2 | 60.4 | 68.2 | 74.6 | 81.6 | 83.1 | 82.3 | 77.5 | 67.7 | 58.4 | 51.4 | 67.5 |
| | S.D. | 11.011 | 11.291 | 11.318 | 9.263 | 6.139 | 7.251 | 7.104 | 6.567 | 8.519 | 9.943 | 11.412 | 12.009 | 16.113 |
| | TOTAL OBS | 521 | 4782 | 5445 | 5205 | 5464 | 5252 | 5437 | 5487 | 5311 | 5445 | 5297 | 4726 | 53281 |

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 3.3 | 19.7 | 34.6 | 27.2 | 12.2 | 2.5 | .5 | | | | | | | | | | | | 761 | 761 | 701 ³ | | | |
| | | | | | | | | | | | | | | | | | | | 761 | 761 | | | | |
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PSYCHROMETRIC SUMMARY

STATION NAME

75-84

YEARS

DEC

MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 75 / 75 | | | | .3 | | | | | | | | | | | | | | 2 | 2 | | | | | |
| 74 / 73 | | | .1 | .5 | .3 | .1 | | | | | | | | | | | | 8 | 3 | | | | | |
| 72 / 71 | | | .7 | 1.1 | .3 | .4 | | | | | | | | | | | | 15 | 15 | | | | | |
| 70 / 69 | | .3 | | .5 | .1 | | | | | | | | | | | | | 7 | 7 | 9 | | | | |
| 68 / 67 | | | .7 | .4 | | | | | | | | | | | | | | 8 | 9 | 4 | 8 | | | |
| 66 / 65 | | .4 | 1.4 | .4 | .3 | .1 | | | | | | | | | | | | 20 | 20 | 10 | 3 | | | |
| 64 / 63 | | .1 | 1.4 | .9 | .4 | .3 | | | | | | | | | | | | 24 | 24 | 15 | 6 | | | |
| 62 / 61 | | .9 | 2.4 | 1.1 | .3 | .1 | | | | | | | | | | | | 36 | 36 | 18 | 16 | | | |
| 60 / 59 | | .5 | 1.9 | | .7 | .1 | | | | | | | | | | | | 24 | 24 | 26 | 17 | | | |
| 58 / 57 | | .3 | 1.6 | .5 | .7 | | | | | | | | | | | | | 23 | 23 | 36 | 25 | | | |
| 56 / 55 | .8 | .7 | 1.2 | 1.3 | 1.6 | .3 | .3 | | | | | | | | | | | 46 | 46 | 28 | 39 | | | |
| 54 / 53 | .1 | .3 | 1.2 | 1.1 | .9 | .1 | | | | | | | | | | | | 28 | 28 | 23 | 23 | | | |
| 52 / 51 | | .8 | 1.2 | .9 | 1.2 | .5 | .7 | | | | | | | | | | | 37 | 37 | 16 | 17 | | | |
| 50 / 49 | .3 | 2.6 | 1.8 | 1.3 | 1.1 | .1 | | | | | | | | | | | | 55 | 55 | 37 | 22 | | | |
| 48 / 47 | .7 | 3.0 | 2.0 | 1.8 | 1.1 | | .3 | | | | | | | | | | | 67 | 67 | 59 | 34 | | | |
| 46 / 45 | .4 | .9 | 1.8 | .9 | .8 | | | | | | | | | | | | | 37 | 37 | 62 | 34 | | | |
| 44 / 43 | .3 | 1.1 | 2.4 | 2.9 | .9 | | | | | | | | | | | | | 57 | 57 | 46 | 38 | | | |
| 42 / 41 | | .7 | 2.2 | 2.1 | .3 | | | | | | | | | | | | | 40 | 40 | 39 | 40 | | | |
| 40 / 39 | | 1.7 | 2.9 | 1.3 | .9 | | | | | | | | | | | | | 52 | 52 | 53 | 39 | | | |
| 38 / 37 | .3 | 1.3 | 3.2 | 1.3 | | | | | | | | | | | | | | 46 | 46 | 56 | 42 | | | |
| 36 / 35 | | 1.1 | 1.3 | 2.6 | .5 | | | | | | | | | | | | | 42 | 42 | 56 | 41 | | | |
| 34 / 33 | .1 | .7 | .9 | 2.5 | .1 | | | | | | | | | | | | | 33 | 33 | 38 | 38 | | | |
| 32 / 31 | .1 | 1.7 | .8 | 1.1 | | | | | | | | | | | | | | 28 | 28 | 32 | 46 | | | |
| 30 / 29 | | .4 | .4 | .3 | | | | | | | | | | | | | | 8 | 8 | 49 | 60 | | | |
| 28 / 27 | .1 | .3 | .5 | | | | | | | | | | | | | | | 7 | 7 | 24 | 40 | | | |
| 26 / 25 | .1 | | .1 | | | | | | | | | | | | | | | 7 | 7 | 10 | 30 | | | |
| 24 / 23 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | 5 | 14 | | | |
| 22 / 21 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 7 | 15 | | | |
| 20 / 19 | | | | | | | | | | | | | | | | | | | | 3 | 15 | | | |
| 18 / 17 | | | | | | | | | | | | | | | | | | | | | 27 | | | |
| 16 / 15 | | | | | | | | | | | | | | | | | | | | | 18 | | | |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 12 / 11 | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 10 / 9 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Element (X) | Σ X' | | Σ X | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 1 1000-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|------------|-----|-----|-----|-----------|------------|----------|-------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 73/ 77 | | | | | .1 | | .3 | .1 | | | | | | | | | | 4 | 4 | | | | | |
| 76/ 75 | | | | .3 | .5 | | .1 | | | | | | | | | | | 9 | 9 | | | | | |
| 74/ 73 | | | | .6 | .6 | | .1 | | | | | | | | | | | 11 | 11 | | | | | |
| 72/ 71 | | | .1 | | .9 | | .5 | | | | | | | | | | | 12 | 12 | | | | | |
| 70/ 69 | | | | .1 | .8 | | .5 | .3 | | | | | | | | | | 13 | 13 | 6 | | | | |
| 68/ 67 | | | .3 | 1.6 | .9 | | .3 | | | | | | | | | | | 23 | 23 | 9 | | | | |
| 66/ 65 | | .1 | .4 | 1.9 | .6 | | | | | | | | | | | | | 27 | 27 | 9 | | | | |
| 64/ 63 | | .1 | .5 | 1.8 | 1.2 | .6 | | | | | | | | | | | | 31 | 31 | 19 | | | | |
| 62/ 61 | | .9 | 1.3 | .8 | .5 | .5 | | .1 | | | | | | | | | | 32 | 32 | 31 | | | | |
| 60/ 59 | .3 | .6 | .9 | .6 | .5 | .9 | | .1 | | | | | | | | | | 30 | 30 | 41 | | | | |
| 58/ 57 | .4 | .5 | 1.1 | .5 | .6 | .5 | | .1 | .4 | | | | | | | | | 32 | 32 | 31 | | | | |
| 56/ 55 | .4 | .6 | 1.2 | .6 | 1.4 | .5 | | .5 | .3 | | | | | | | | | 43 | 43 | 31 | | | | |
| 54/ 53 | | .4 | .3 | 1.7 | 1.2 | .5 | | .8 | | | | | | | | | | 41 | 41 | 25 | | | | |
| 52/ 51 | | .1 | 1.7 | 1.7 | 1.6 | 1.4 | | | | | | | | | | | | 50 | 50 | 24 | | | | |
| 50/ 49 | | 2.3 | 1.7 | 1.3 | 1.9 | .8 | | | | | | | | | | | | 62 | 62 | 31 | | | | |
| 48/ 47 | .4 | .6 | 1.3 | 1.6 | 3.9 | .3 | | | | | | | | | | | | 62 | 62 | 71 | | | | |
| 46/ 45 | .4 | .8 | 1.8 | 2.8 | 1.8 | .4 | | .1 | | | | | | | | | | 63 | 63 | 38 | | | | |
| 44/ 43 | .1 | .8 | 1.6 | 2.7 | 1.8 | .3 | | | | | | | | | | | | 56 | 56 | 52 | | | | |
| 42/ 41 | .1 | .4 | .6 | 1.6 | .9 | .3 | | | | | | | | | | | | 30 | 30 | 73 | | | | |
| 40/ 39 | .3 | .9 | 1.2 | .8 | 1.9 | .4 | | | | | | | | | | | | 42 | 42 | 73 | | | | |
| 38/ 37 | | .1 | 1.4 | 2.2 | 1.6 | | | | | | | | | | | | | 41 | 41 | 44 | | | | |
| 36/ 35 | | .1 | .5 | 1.9 | .4 | | | | | | | | | | | | | 23 | 23 | 37 | | | | |
| 34/ 33 | | .5 | 1.2 | .1 | .3 | | | | | | | | | | | | | 16 | 16 | 27 | | | | |
| 32/ 31 | | | | .5 | | | | | | | | | | | | | | 4 | 4 | 48 | | | | |
| 30/ 29 | | .1 | .4 | .3 | .1 | | | | | | | | | | | | | 7 | 7 | 31 | | | | |
| 28/ 27 | | | | .5 | | | | | | | | | | | | | | 7 | 7 | 1 | | | | |
| 26/ 25 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 9 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 10 | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | | | | \bar{X} | σ_a | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 93 F$ | Total | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

REVISED AND VICIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

JSAFETAC

3

;

DEC
MONTH

1530-1700
HOURS (L. S. T.)

USAFETAC
FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATIONMAXWELL AFB AL
STATION NAME75-84
YEARSDEC
MONTHPAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|------------------------------------|-----------|--------|--------------------|--------|--------|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 84/ 83 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | | | | | |
| 82/ 81 | | | | | | | .1 | .1 | .4 | | | | | | | | | 5 | 5 | | | | | | |
| 80/ 79 | | | | | | 1.1 | .1 | .6 | .1 | | | | | | | | | 16 | 16 | | | | | | |
| 78/ 77 | | | | | .2 | .6 | .7 | .6 | .1 | | | | | | | | | 19 | 19 | | | | | | |
| 76/ 75 | | | | | .4 | 1.3 | .9 | .5 | | | | | | | | | | 22 | 22 | | | | | | |
| 74/ 73 | | | | | .1 | .7 | 1.3 | .4 | .1 | | .1 | | | | | | | 23 | 23 | | | | | | |
| 72/ 71 | | | | .1 | .1 | 1.2 | .9 | .4 | .1 | .1 | | | | | | | | 24 | 24 | 3 | | | | | |
| 70/ 69 | | | | .2 | .4 | 1.1 | .4 | .2 | .1 | .1 | .1 | | | | | | | 21 | 21 | 17 | | | | | |
| 68/ 67 | | .1 | .2 | .7 | .1 | .7 | .6 | .9 | .2 | .1 | | | | | | | | 31 | 31 | 11 | 1 | | | | |
| 66/ 65 | | .2 | .2 | .4 | 1.0 | .9 | 1.0 | .5 | .7 | .7 | | | | | | | | 42 | 42 | 20 | 10 | | | | |
| 64/ 63 | | .4 | .2 | .7 | .1 | .7 | .6 | .5 | 1.0 | | .1 | | | | | | | 36 | 36 | 32 | 12 | | | | |
| 62/ 61 | | | 1.0 | .2 | .5 | .9 | .7 | 1.1 | .5 | .4 | | | | | | | | 43 | 43 | 40 | 17 | | | | |
| 60/ 59 | .2 | .6 | .5 | 1.2 | .6 | 1.1 | 1.7 | 1.8 | 1.1 | | | | | | | | | 72 | 72 | 30 | 23 | | | | |
| 58/ 57 | .7 | .1 | 1.2 | | .4 | .5 | 1.3 | .9 | .7 | | | | | | | | | 48 | 48 | 34 | 25 | | | | |
| 56/ 55 | .1 | .6 | .2 | .4 | 1.3 | 1.3 | 1.7 | 1.3 | .2 | | | | | | | | | 60 | 60 | 28 | 43 | | | | |
| 54/ 53 | | .2 | .9 | .4 | .7 | 1.2 | 2.6 | .6 | | | | | | | | | | 54 | 54 | 52 | 33 | | | | |
| 52/ 51 | | 1.2 | .7 | .1 | .7 | 2.0 | 1.3 | .2 | | | | | | | | | | 52 | 52 | 32 | 27 | | | | |
| 50/ 49 | | .4 | .9 | .6 | 1.3 | 1.2 | 1.6 | .4 | | | | | | | | | | 52 | 52 | 51 | 28 | | | | |
| 48/ 47 | .6 | .4 | 1.0 | .4 | 1.2 | 1.3 | .6 | .1 | | | | | | | | | | 46 | 46 | 72 | 39 | | | | |
| 46/ 45 | .4 | .4 | 1.0 | .4 | .9 | .7 | 1.1 | | | | | | | | | | | 39 | 39 | 64 | 26 | | | | |
| 44/ 43 | .2 | .2 | .6 | .2 | .9 | 2.0 | | | | | | | | | | | | 34 | 34 | 74 | 31 | | | | |
| 42/ 41 | .1 | .1 | .4 | .2 | 1.0 | .5 | .2 | | | | | | | | | | | 21 | 21 | 72 | 28 | | | | |
| 40/ 39 | | .4 | .1 | .1 | 1.1 | .4 | | | | | | | | | | | | 17 | 17 | 37 | 35 | | | | |
| 38/ 37 | | | .5 | .1 | .4 | .6 | | | | | | | | | | | | 11 | 11 | 38 | 31 | | | | |
| 36/ 35 | | .1 | .4 | .1 | .2 | .1 | | | | | | | | | | | | 10 | 10 | 30 | 33 | | | | |
| 34/ 33 | | | | .7 | .4 | | | | | | | | | | | | | 9 | 9 | 32 | 29 | | | | |
| 32/ 31 | | | | .4 | .4 | | | | | | | | | | | | | 6 | 6 | 19 | 55 | | | | |
| 30/ 29 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | 7 | 52 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 11 | 37 | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 6 | 32 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 3 | 28 | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 1 | 20 | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 41 | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 30 | | | | |
| Element (X) | Σ X' | | Σ X | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Mean No. of Hours with Temperature | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | ≥ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC
FORM 0-26-5 (OL A)
REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265
STATIONMAXWELL AFB AL
STATION NAME75-84
YEARSDEC
MONTHPAGE 1 1270-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|--------------------|-------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |
| 84/ 93 | | | | | | | .1 | .1 | | | | | | | | | | 2 | 2 | | |
| 82/ 91 | | | | | | .2 | .4 | .1 | .2 | | | | | | | | | 6 | 8 | | |
| 80/ 79 | | | | | .1 | .7 | .8 | .4 | | | | | | | | | | 17 | 17 | | |
| 78/ 77 | | | | .1 | | 1.0 | .6 | .8 | | .1 | | | | | | | | 22 | 22 | | |
| 75/ 75 | | | | .1 | .2 | 1.4 | 1.2 | .2 | .1 | .2 | | | | | | | | 30 | 30 | | |
| 74/ 73 | | | | .2 | .1 | 1.1 | 1.0 | .5 | .2 | | .1 | | | | | | | 27 | 27 | | |
| 72/ 71 | | | | | .5 | .4 | .8 | .4 | .1 | .1 | | | | | | | | 19 | 19 | 12 | |
| 70/ 69 | | .1 | .2 | .1 | .5 | .5 | .5 | .4 | .1 | .2 | .2 | | | | | | | 24 | 24 | 12 | 1 |
| 68/ 67 | | | .2 | .2 | .4 | .4 | .4 | .7 | .1 | .4 | | | | | | | | 27 | 27 | 18 | 3 |
| 66/ 65 | | | | .4 | .4 | .5 | 1.1 | .4 | .8 | | | | | | | | | 29 | 29 | 26 | 13 |
| 64/ 63 | | .1 | .6 | 1.1 | .5 | 1.2 | .7 | 1.3 | .5 | .1 | | | | | | | | 51 | 51 | 31 | 13 |
| 62/ 61 | | .6 | .1 | .6 | .6 | .7 | 1.0 | 1.2 | .5 | .1 | | | | | | | | 45 | 45 | 23 | 14 |
| 60/ 59 | .4 | .6 | .7 | .4 | .6 | .8 | 1.4 | 1.6 | .5 | .1 | | | | | | | | 59 | 59 | 45 | 27 |
| 58/ 57 | | .6 | .7 | .2 | .8 | .7 | 2.2 | .7 | .4 | | | | | | | | | 53 | 52 | 26 | 29 |
| 56/ 55 | .1 | .6 | .4 | .6 | .8 | 1.2 | 2.2 | 1.4 | .6 | | | | | | | | | 66 | 66 | 17 | 35 |
| 54/ 53 | .2 | .2 | .6 | .7 | 1.0 | 1.7 | 1.4 | 1.3 | | | | | | | | | | 60 | 60 | 43 | 33 |
| 52/ 51 | .2 | .7 | .7 | 1.1 | 1.1 | 1.1 | 1.4 | .1 | | | | | | | | | | 54 | 54 | 36 | 33 |
| 50/ 49 | .2 | 1.0 | .6 | .7 | .8 | 1.1 | 1.6 | .4 | | | | | | | | | | 53 | 53 | 80 | 30 |
| 48/ 47 | .5 | .2 | 1.0 | .6 | 1.7 | 1.1 | .8 | | | | | | | | | | | 49 | 49 | 55 | 27 |
| 46/ 45 | .2 | .2 | .5 | .7 | .5 | 1.1 | .8 | | | | | | | | | | | 34 | 34 | 67 | 40 |
| 44/ 43 | .1 | .1 | .5 | .7 | 1.2 | 1.4 | .2 | | | | | | | | | | | 36 | 36 | 74 | 28 |
| 42/ 41 | .1 | | | .5 | .7 | .6 | | | | | | | | | | | | 16 | 16 | 57 | 38 |
| 40/ 39 | | .2 | .2 | .4 | 1.0 | .6 | | | | | | | | | | | | 20 | 20 | 50 | 30 |
| 38/ 37 | | .4 | .1 | .1 | .2 | .2 | | | | | | | | | | | | 9 | 9 | 34 | 35 |
| 36/ 35 | | | .4 | .6 | .8 | .1 | | | | | | | | | | | | 16 | 16 | 43 | 38 |
| 34/ 33 | | | | .4 | .4 | | | | | | | | | | | | | 6 | 6 | 24 | 38 |
| 32/ 31 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | 13 | 69 |
| 30/ 29 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | 10 | 28 |
| 28/ 27 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 14 | 40 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 4 | 27 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 2 | 16 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 1 | 35 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 40 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 21 |
| Element (X) | Σx ¹ | | Σx | | Σ | | Σ _n | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 44 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC

MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

122265

MAXWELL AFB AL

75-84

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

3900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

0600-0800
HOURS (L. S. T.)

USAFETAC
FORM
MIL. 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-84

YEARS

DEC
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 76/ 75 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 74/ 73 | | | | .4 | .3 | | | | | | | | | | | | | 5 | 5 | | | | | |
| 72/ 71 | | | .7 | .7 | | | | | | | | | | | | | | 10 | 10 | | | | | |
| 70/ 69 | | | .4 | .1 | | | | | | | | | | | | | | 4 | 4 | 2 | | | | |
| 68/ 67 | | .1 | .3 | | | | | | | | | | | | | | | 3 | 3 | 9 | | | | |
| 66/ 65 | | .3 | .7 | .3 | | | | | | | | | | | | | | 9 | 9 | 10 | 9 | | | |
| 64/ 63 | | .7 | .7 | .9 | .4 | | | | | | | | | | | | | 19 | 19 | 5 | 11 | | | |
| 62/ 61 | | .4 | .7 | | .1 | | | | | | | | | | | | | 9 | 9 | 12 | 5 | | | |
| 60/ 59 | .1 | 2.3 | 1.0 | .3 | | .1 | | | | | | | | | | | | 27 | 27 | 15 | 14 | | | |
| 58/ 57 | .1 | 1.4 | 1.3 | .3 | .6 | | | | | | | | | | | | | 26 | 26 | 25 | 11 | | | |
| 56/ 55 | .6 | 1.6 | 1.7 | 1.0 | .3 | | | | | | | | | | | | | 36 | 36 | 25 | 30 | | | |
| 54/ 53 | .1 | 1.6 | 1.4 | .9 | .4 | | | | | | | | | | | | | 31 | 31 | 27 | 22 | | | |
| 52/ 51 | | 1.0 | 1.3 | .9 | | | | | | | | | | | | | | 22 | 22 | 20 | 21 | | | |
| 50/ 49 | | 1.6 | 1.7 | .9 | .9 | | | | | | | | | | | | | 35 | 35 | 30 | 22 | | | |
| 48/ 47 | .6 | 1.9 | 1.4 | .9 | .3 | | | | | | | | | | | | | 35 | 35 | 31 | 22 | | | |
| 46/ 45 | .7 | 2.3 | 1.9 | 1.3 | .1 | .1 | | | | | | | | | | | | 45 | 45 | 41 | 26 | | | |
| 44/ 43 | .6 | 1.3 | 2.3 | 1.9 | .3 | | | | | | | | | | | | | 44 | 44 | 34 | 34 | | | |
| 42/ 41 | .3 | 2.0 | 1.1 | .6 | .9 | | | | | | | | | | | | | 34 | 34 | 46 | 30 | | | |
| 40/ 39 | .1 | 1.4 | 2.4 | 1.1 | .3 | | | | | | | | | | | | | 38 | 38 | 37 | 37 | | | |
| 38/ 37 | .3 | 3.0 | 2.3 | 1.4 | .3 | .1 | | | | | | | | | | | | 52 | 52 | 42 | 27 | | | |
| 36/ 35 | .1 | 2.7 | 2.9 | 1.6 | .1 | | | | | | | | | | | | | 52 | 52 | 44 | 36 | | | |
| 34/ 33 | .1 | 4.2 | 2.3 | .4 | .1 | | | | | | | | | | | | | 48 | 48 | 53 | 37 | | | |
| 32/ 31 | .4 | 3.4 | 3.0 | .7 | | | | | | | | | | | | | | 53 | 53 | 57 | 58 | | | |
| 30/ 29 | .7 | .9 | 1.7 | .3 | | | | | | | | | | | | | | 25 | 25 | 57 | 47 | | | |
| 28/ 27 | .4 | 1.0 | .5 | | | | | | | | | | | | | | | 14 | 14 | 28 | 36 | | | |
| 26/ 25 | .1 | .4 | .4 | | | | | | | | | | | | | | | 7 | 7 | 24 | 40 | | | |
| 24/ 23 | .1 | .3 | .1 | | | | | | | | | | | | | | | 4 | 4 | 9 | 18 | | | |
| 22/ 21 | | .6 | .1 | | | | | | | | | | | | | | | 5 | 5 | 4 | 24 | | | |
| 20/ 19 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 6 | 36 | | | |
| 18/ 17 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 11 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | 2 | 8 | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 12 | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Element (X) | Σ X ² | | Σ X | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

NOV
MONTH

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722055 MAXWELL AFB AL

75-85

STATION

STATION NAME

YEARS

| HRS (LST) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 5-35 | MEAN | | | | 63.2 | 67.3 | 70.6 | 73.2 | 64.2 | 55.0 | | | 64.8 |
| | S D | | | | 6.659 | 4.717 | 2.570 | 2.252 | 6.672 | 9.223 | | | 8.322 |
| | TOTAL OBS | | | | 219 | 214 | 218 | 219 | 212 | 104 | | | 1276 |
| 6-33 | MEAN | 34.6 | 34.5 | 47.6 | 54.5 | 62.6 | 69.4 | 72.4 | 71.8 | 66.5 | 55.5 | 47.3 | 56.0 |
| | S D | 10.904 | 10.221 | 10.044 | 7.564 | 6.005 | 4.525 | 2.877 | 2.893 | 5.574 | 8.532 | 10.177 | 14.577 |
| | TOTAL OBS | 724 | 765 | 869 | 854 | 931 | 890 | 926 | 929 | 900 | 914 | 813 | 17295 |
| 7-11 | MEAN | 38.1 | 43.5 | 52.2 | 58.9 | 66.1 | 72.4 | 75.5 | 75.1 | 67.5 | 61.6 | 50.3 | 59.3 |
| | S D | 11.655 | 10.145 | 9.554 | 7.247 | 5.465 | 4.245 | 2.863 | 2.792 | 6.275 | 7.871 | 9.345 | 14.554 |
| | TOTAL OBS | 897 | 849 | 930 | 869 | 930 | 891 | 923 | 930 | 920 | 927 | 897 | 17856 |
| 12-14 | MEAN | 41.7 | 46.4 | 54.6 | 60.7 | 67.1 | 72.9 | 76.1 | 76.0 | 71.7 | 62.5 | 54.5 | 61.2 |
| | S D | 10.229 | 9.591 | 8.873 | 6.651 | 5.211 | 3.931 | 2.729 | 2.754 | 5.631 | 7.277 | 9.174 | 13.454 |
| | TOTAL OBS | 898 | 849 | 930 | 869 | 930 | 891 | 921 | 930 | 920 | 927 | 897 | 17870 |
| 17-17 | MEAN | 41.7 | 47.2 | 54.6 | 60.7 | 66.4 | 72.4 | 75.3 | 75.2 | 71.1 | 61.9 | 54.2 | 61.0 |
| | S D | 9.345 | 9.100 | 8.673 | 6.413 | 4.834 | 3.881 | 2.849 | 2.799 | 5.454 | 7.171 | 9.161 | 13.100 |
| | TOTAL OBS | 897 | 847 | 930 | 869 | 930 | 890 | 912 | 930 | 899 | 927 | 897 | 17665 |
| 17-20 | MEAN | 40.0 | 44.0 | 52.4 | 58.6 | 65.3 | 71.2 | 73.9 | 73.8 | 68.3 | 59.2 | 51.4 | 58.9 |
| | S D | 9.647 | 9.157 | 8.794 | 6.509 | 5.151 | 3.974 | 2.758 | 2.774 | 5.774 | 7.556 | 9.377 | 13.618 |
| | TOTAL OBS | 851 | 840 | 930 | 861 | 915 | 891 | 906 | 928 | 899 | 927 | 897 | 17664 |
| 17-27 | MEAN | 37.1 | 42.4 | 50.5 | 56.4 | 63.7 | 69.9 | 72.7 | 72.5 | 66.5 | 57.5 | 49.4 | 55.2 |
| | S D | 9.971 | 9.417 | 9.175 | 6.773 | 5.540 | 3.982 | 2.670 | 2.541 | 5.958 | 7.903 | 9.744 | 14.226 |
| | TOTAL OBS | 875 | 874 | 963 | 771 | 676 | 594 | 624 | 620 | 620 | 528 | 396 | 5650 |
| | MEAN | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | |
| ALL HOURS | MEAN | 38.6 | 44.1 | 52.1 | 58.4 | 65.2 | 71.3 | 74.3 | 74.0 | 66.4 | 59.5 | 51.6 | 58.9 |
| | S D | 10.502 | 9.490 | 9.498 | 7.247 | 5.757 | 4.414 | 3.189 | 3.257 | 6.271 | 8.218 | 9.554 | 14.078 |
| | TOTAL OBS | 5215 | 4689 | 5445 | 5235 | 5464 | 5261 | 5410 | 5486 | 5310 | 5448 | 5297 | 63256 |

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72285 MAXWELL AFB AL

75-85

| STATION | STATION NAME | | | | | | | | | | | | YEARS |
|-----------|--------------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| HRS (LST) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| MEAN | | | | | 58.0 | 65.2 | 68.8 | 69.6 | 61.0 | 52.3 | | | 62.0 |
| S D | | | | | 7.429 | 5.791 | 3.518 | 3.598 | 5.388 | 10.302 | | | 9.003 |
| TOTAL OBS | | | | | 217 | 214 | 218 | 219 | 212 | 194 | | | 1276 |
| MEAN | 29.0 | 34.7 | 43.2 | 50.3 | 59.3 | 66.3 | 70.1 | 69.8 | 62.5 | 52.4 | 43.9 | 36.6 | 52.5 |
| S D | 13.769 | 12.592 | 12.102 | 9.477 | 7.153 | 5.716 | 3.411 | 3.311 | 5.151 | 9.965 | 11.423 | 13.000 | 16.472 |
| TOTAL OBS | 794 | 765 | 869 | 854 | 930 | 890 | 926 | 929 | 900 | 918 | 813 | 697 | 10285 |
| MEAN | 30.7 | 35.7 | 44.5 | 51.0 | 59.6 | 66.7 | 71.3 | 71.1 | 64.3 | 53.9 | 45.4 | 37.7 | 52.9 |
| S D | 14.624 | 13.244 | 12.656 | 10.497 | 7.578 | 6.254 | 3.554 | 3.475 | 7.957 | 10.578 | 12.713 | 13.501 | 16.981 |
| TOTAL OBS | 887 | 849 | 930 | 999 | 930 | 891 | 923 | 930 | 900 | 927 | 897 | 843 | 10806 |
| MEAN | 31.1 | 35.3 | 43.8 | 50.0 | 58.9 | 65.5 | 70.4 | 70.4 | 63.4 | 52.9 | 44.6 | 37.9 | 52.3 |
| S D | 15.032 | 13.359 | 12.911 | 10.709 | 7.899 | 6.378 | 3.628 | 3.806 | 7.759 | 11.012 | 13.025 | 14.506 | 16.937 |
| TOTAL OBS | 885 | 849 | 930 | 900 | 930 | 891 | 921 | 930 | 900 | 927 | 897 | 837 | 10600 |
| MEAN | 30.3 | 34.3 | 43.2 | 49.6 | 58.6 | 64.8 | 69.6 | 69.7 | 62.8 | 52.4 | 44.3 | 37.4 | 51.8 |
| S D | 14.846 | 13.384 | 13.090 | 10.602 | 7.735 | 6.439 | 3.797 | 3.852 | 7.604 | 10.943 | 13.412 | 14.571 | 16.613 |
| TOTAL OBS | 887 | 847 | 930 | 900 | 930 | 890 | 912 | 930 | 899 | 927 | 897 | 815 | 10765 |
| MEAN | 31.0 | 35.7 | 43.8 | 50.6 | 59.4 | 65.7 | 69.9 | 70.1 | 63.5 | 53.8 | 45.5 | 38.2 | 52.6 |
| S D | 13.554 | 12.396 | 12.244 | 9.691 | 7.292 | 5.964 | 3.445 | 3.535 | 7.595 | 9.769 | 11.520 | 13.427 | 16.232 |
| TOTAL OBS | 891 | 840 | 923 | 881 | 919 | 891 | 906 | 928 | 899 | 927 | 897 | 770 | 10664 |
| MEAN | 30.0 | 35.8 | 44.4 | 50.9 | 59.3 | 66.3 | 70.0 | 70.1 | 63.2 | 53.5 | 45.0 | 38.0 | 50.4 |
| S D | 13.199 | 12.289 | 11.816 | 9.100 | 6.990 | 5.397 | 3.250 | 3.291 | 7.564 | 9.553 | 11.461 | 13.064 | 16.436 |
| TOTAL OBS | 878 | 839 | 863 | 771 | 606 | 594 | 624 | 620 | 600 | 623 | 596 | 761 | 8660 |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |
| ALL HOURS | 30.0 | 35.3 | 43.8 | 50.4 | 59.2 | 65.8 | 70.2 | 70.1 | 63.2 | 53.1 | 44.8 | 37.7 | 52.4 |
| S D | 14.199 | 12.893 | 12.530 | 10.067 | 7.494 | 6.091 | 3.594 | 3.611 | 7.835 | 10.370 | 12.465 | 13.723 | 16.620 |
| TOTAL OBS | 5215 | 4989 | 5445 | 5205 | 5464 | 5261 | 5410 | 5486 | 5310 | 5448 | 5297 | 4726 | 63250 |

RELATIVE HUMIDITY

STATION NAME

PERIOD

JAN
MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 98.4 | 92.4 | 79.6 | 62.2 | 43.7 | 16.5 | 74.9 | 794 |
| | 09-11 | 100.0 | 100.0 | 98.8 | 89.2 | 72.8 | 56.4 | 39.6 | 26.7 | 9.4 | 64.8 | 887 |
| | 12-14 | 100.0 | 99.5 | 86.3 | 65.0 | 48.3 | 34.5 | 25.7 | 15.2 | 5.1 | 53.8 | 888 |
| | 15-17 | 100.0 | 99.3 | 84.8 | 60.7 | 44.5 | 33.0 | 25.3 | 15.3 | 4.8 | 52.5 | 887 |
| | 18-20 | 100.0 | 100.0 | 98.2 | 86.4 | 68.2 | 49.5 | 35.8 | 21.2 | 7.6 | 62.4 | 881 |
| | 21-23 | 100.0 | 100.0 | 99.7 | 94.1 | 82.6 | 65.0 | 45.8 | 27.8 | 9.2 | 68.1 | 878 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.8 | 94.6 | 82.3 | 68.1 | 53.0 | 39.1 | 25.0 | 8.8 | 62.8 | 5215 |

RELATIVE HUMIDITY

FEB
MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.1 | 94.4 | 83.4 | 63.3 | 36.9 | 10.7 | 74.5 | 765 |
| | 09-11 | 100.0 | 99.9 | 97.9 | 86.9 | 68.0 | 47.9 | 30.7 | 17.4 | 4.5 | 61.1 | 849 |
| | 12-14 | 100.0 | 99.1 | 78.2 | 56.9 | 39.6 | 25.8 | 18.3 | 10.6 | 3.8 | 49.0 | 849 |
| | 15-17 | 100.0 | 97.4 | 70.6 | 49.5 | 33.8 | 24.6 | 17.9 | 10.6 | 3.8 | 46.6 | 847 |
| | 18-20 | 100.0 | 100.0 | 97.1 | 77.1 | 55.6 | 37.9 | 26.2 | 13.9 | 4.3 | 57.1 | 840 |
| | 21-23 | 100.0 | 100.0 | 99.9 | 93.7 | 77.6 | 61.6 | 40.9 | 21.6 | 6.0 | 65.8 | 839 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.4 | 90.6 | 77.2 | 61.5 | 46.9 | 32.9 | 18.5 | 5.5 | 59.0 | 4989 |

3
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722265
STATION

MAXWELL AFB AL
STATION NAME

75-84

PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 98.7 | 94.1 | 81.7 | 64.1 | 35.9 | 8.5 | 74.3 | 869 |
| | 09-11 | 100.0 | 100.0 | 97.7 | 81.6 | 62.3 | 46.8 | 29.5 | 13.3 | 2.6 | 59.1 | 930 |
| | 12-14 | 100.0 | 99.2 | 79.1 | 55.9 | 39.4 | 25.3 | 16.8 | 6.3 | .6 | 47.8 | 930 |
| | 15-17 | 100.0 | 98.5 | 72.3 | 49.1 | 36.3 | 24.6 | 16.7 | 8.3 | 1.1 | 46.1 | 930 |
| | 18-20 | 100.0 | 100.0 | 94.0 | 75.9 | 56.3 | 38.9 | 24.2 | 10.2 | 2.9 | 55.8 | 923 |
| | 21-23 | 100.0 | 100.0 | 99.8 | 94.7 | 81.8 | 62.8 | 38.7 | 17.6 | 4.5 | 65.7 | 863 |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.6 | 90.5 | 76.0 | 61.7 | 46.7 | 31.7 | 15.3 | 3.4 | 58.1 | 5445 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722265
STATION

MAXWELL AFB AL

STATION NAME

75-84

PERIOD

APR

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.3 | 94.4 | 90.8 | 58.1 | 34.0 | 6.8 | 73.1 | 854 |
| | 09-11 | 100.0 | 100.0 | 95.6 | 77.5 | 57.3 | 36.0 | 22.1 | 10.1 | 1.8 | 55.7 | 899 |
| | 12-14 | 100.0 | 99.3 | 76.2 | 52.1 | 32.6 | 20.3 | 12.3 | 5.9 | 1.0 | 45.7 | 900 |
| | 15-17 | 100.0 | 98.4 | 70.6 | 49.3 | 29.4 | 18.2 | 10.6 | 6.2 | .6 | 44.1 | 900 |
| | 18-20 | 100.0 | 100.0 | 96.8 | 79.2 | 56.4 | 35.4 | 18.4 | 9.6 | 1.4 | 55.3 | 881 |
| | 21-23 | 100.0 | 100.0 | 99.6 | 97.1 | 87.3 | 67.2 | 37.6 | 15.3 | 3.2 | 66.3 | 771 |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.6 | 89.8 | 75.8 | 59.6 | 43.0 | 26.5 | 13.5 | 2.5 | 56.7 | 5205 |

USAFETAC

POWER
PLS 04

0-87-5 (OL A)

3

1

MAY
MONTH

10

10

FORM
I-11, 6-4

RELATIVE HUMIDITY

JUN

MONTH

| MONTH | HOURS (L S T) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 96.7 | 87.4 | 68.2 | 17.8 | 82.7 | 214 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.8 | 97.6 | 89.0 | 71.5 | 37.8 | 4.7 | 75.3 | 890 |
| | 09-11 | 100.0 | 100.0 | 98.8 | 92.3 | 73.7 | 43.4 | 15.4 | 3.8 | .2 | 58.3 | 891 |
| | 12-14 | 100.0 | 100.0 | 95.1 | 75.0 | 41.8 | 17.2 | 6.7 | 3.0 | .2 | 49.5 | 891 |
| | 15-17 | 100.0 | 99.9 | 92.5 | 68.5 | 39.2 | 20.4 | 12.1 | 4.6 | .3 | 49.4 | 890 |
| | 18-20 | 100.0 | 100.0 | 99.2 | 90.6 | 73.7 | 48.3 | 27.3 | 11.1 | .2 | 60.7 | 891 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.5 | 95.6 | 81.3 | 57.2 | 22.7 | 1.7 | 71.3 | 594 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 97.9 | 89.4 | 74.4 | 56.6 | 39.7 | 21.6 | 3.6 | 63.9 | 5261 |

RELATIVE HUMIDITY

722265
STATION

MAXWELL AFB AL

STATION NAME

75-84

PERIOD

JUL
MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 93.1 | 67.4 | 20.2 | 93.9 | 218 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 96.4 | 82.6 | 48.9 | 10.7 | 79.3 | 926 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 98.9 | 88.6 | 63.3 | 31.3 | 10.2 | 1.1 | 64.7 | 923 |
| | 12-14 | 100.0 | 100.0 | 99.7 | 89.3 | 59.5 | 32.8 | 13.0 | 3.7 | .8 | 55.6 | 921 |
| | 15-17 | 100.0 | 100.0 | 99.5 | 86.5 | 55.5 | 37.4 | 21.8 | 9.1 | 1.3 | 56.6 | 912 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 97.1 | 85.2 | 66.1 | 43.6 | 21.0 | 4.2 | 67.5 | 906 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 98.8 | 89.2 | 72.2 | 36.9 | 7.3 | 75.9 | 604 |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 96.0 | 83.9 | 69.2 | 51.1 | 28.2 | 6.5 | 69.1 | 5410 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722265
STATION

MAXWELL AFB AL
STATION NAME

75-84
PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.7 | 79.9 | 26.9 | 85.9 | 219 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 92.7 | 60.3 | 10.2 | 81.7 | 929 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.5 | 94.4 | 69.9 | 30.2 | 7.2 | 1.0 | 65.8 | 930 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 95.1 | 69.6 | 28.5 | 8.0 | 1.9 | .2 | 55.8 | 930 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 93.9 | 64.0 | 32.7 | 17.0 | 7.0 | 1.3 | 57.0 | 930 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.8 | 93.9 | 75.8 | 46.9 | 19.4 | 2.8 | 69.4 | 928 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 97.6 | 80.6 | 41.5 | 5.5 | 77.8 | 620 |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 98.3 | 88.8 | 72.0 | 53.3 | 31.0 | 6.8 | 70.5 | 5486 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722265
STATION

MAXWELL AFB AL
STATION NAME

75-84

PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 98.1 | 97.6 | 95.8 | 84.9 | 55.7 | 6.1 | 79.6 | 212 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 98.7 | 97.4 | 93.1 | 77.9 | 43.3 | 6.1 | 77.2 | 900 |
| | 09-11 | 100.0 | 100.0 | 99.7 | 93.2 | 80.1 | 51.8 | 26.8 | 8.3 | .6 | 61.6 | 900 |
| | 12-14 | 100.0 | 99.8 | 96.2 | 76.7 | 48.9 | 25.4 | 11.1 | 4.6 | .1 | 51.8 | 900 |
| | 15-17 | 100.0 | 99.8 | 94.8 | 74.7 | 47.6 | 29.5 | 17.7 | 5.7 | .2 | 52.5 | 899 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 95.1 | 85.2 | 62.6 | 39.0 | 16.9 | 2.1 | 65.7 | 899 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 98.7 | 96.7 | 87.7 | 61.8 | 27.5 | 3.5 | 72.9 | 600 |
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USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

OCT
MONTH

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|----------------|--|-------|-------|-------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90 | | |
| OCT | 00-02 | | | | | | | | | | | |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 97.9 | 84.5 | 57.2 | 8.2 | 80.0 | 1 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 98.6 | 92.8 | 80.3 | 47.5 | 7.8 | 78.5 | 918 |
| | 09-11 | 100.0 | 100.0 | 98.9 | 88.6 | 69.1 | 45.3 | 25.4 | 12.0 | 1.5 | 59.8 | 927 |
| | 12-14 | 100.0 | 99.5 | 86.8 | 61.7 | 36.0 | 19.4 | 12.4 | 5.7 | .6 | 48.0 | 927 |
| | 15-17 | 100.0 | 99.1 | 87.7 | 63.6 | 38.4 | 21.7 | 13.3 | 8.3 | 1.2 | 48.9 | 927 |
| | 18-20 | 100.0 | 100.0 | 99.5 | 96.7 | 84.7 | 61.7 | 36.5 | 16.8 | 3.6 | 65.5 | 927 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.4 | 95.9 | 85.5 | 61.8 | 30.6 | 5.6 | 73.5 | 678 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.8 | 96.1 | 87.1 | 74.6 | 60.6 | 44.9 | 25.4 | 4.1 | 65.0 | 5448 |

3
3
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722265
STATION

MAXWELL AFB AL

STATION NAME

75-84

PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | |
| NOV | 00-02 | | | | | | | | | | |
| | 03-05 | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 97.9 | 92.1 | 78.4 | 44.8 | 13.0 | 813 |
| | 09-11 | 100.0 | 99.8 | 98.1 | 88.6 | 73.0 | 53.3 | 33.7 | 17.1 | 3.2 | 897 |
| | 12-14 | 100.0 | 98.9 | 82.5 | 62.7 | 43.8 | 29.5 | 17.1 | 8.4 | 1.9 | 897 |
| | 15-17 | 100.0 | 99.0 | 84.2 | 66.0 | 44.7 | 31.3 | 19.7 | 11.4 | 3.1 | 897 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 95.8 | 85.2 | 62.2 | 39.9 | 19.2 | 5.5 | 897 |
| | 21-23 | 100.0 | 100.0 | 99.9 | 99.3 | 93.8 | 83.3 | 60.8 | 31.4 | 7.8 | 896 |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.6 | 94.1 | 85.4 | 73.1 | 58.6 | 41.6 | 22.1 | 5.8 | 5297 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AFM WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72265
STATION

MAXWELL AFB AL
STATION NAME

75-84

PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|--------------|--|-------|-------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | | |
| DEC | 00-02 | | | | | | | | | | |
| | 03-05 | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.3 | 95.6 | 85.7 | 66.7 | 40.7 | 12.2 | 697 |
| | 09-11 | 100.0 | 100.0 | 99.3 | 91.2 | 76.9 | 52.8 | 33.5 | 17.8 | 5.1 | 843 |
| | 12-14 | 100.0 | 99.2 | 89.0 | 66.2 | 44.9 | 26.2 | 16.6 | 9.9 | 4.4 | 837 |
| | 15-17 | 100.0 | 99.3 | 86.0 | 65.9 | 44.9 | 27.5 | 18.9 | 9.9 | 4.5 | 816 |
| | 18-20 | 100.0 | 100.0 | 99.4 | 93.8 | 76.8 | 52.7 | 33.4 | 14.4 | 4.9 | 772 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 98.9 | 91.1 | 70.2 | 50.9 | 24.0 | 6.8 | 761 |
| TOTALS | | 100.0 | 99.8 | 95.6 | 85.9 | 71.7 | 52.5 | 36.7 | 19.5 | 6.3 | 4726 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PART :

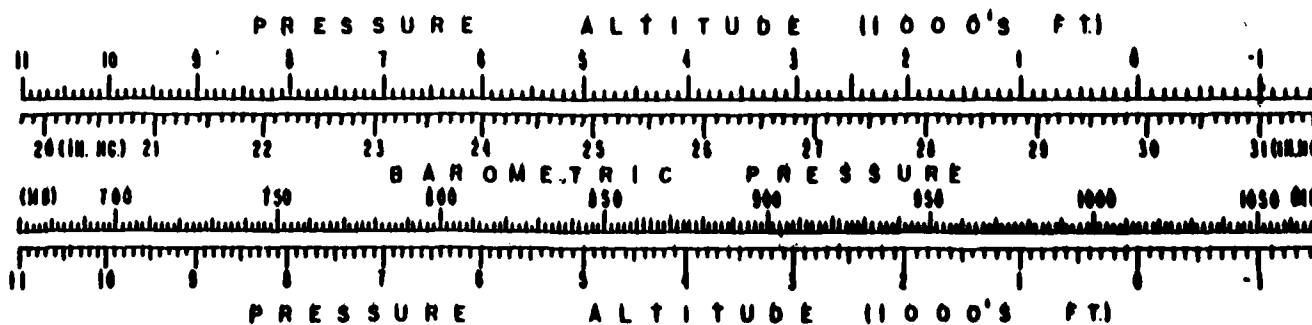
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



U.S. AIR FORCE
METEOROLOGICAL SERVICE
AFMPC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION NAME
MAXWELL AFB AL

75-85

| STATION | STATION NAME | YEARS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| 1 | MEAN | | | | | | | | | | | | | | |
| | S D | | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | | |
| 1 | MEAN | | 29.940 | 29.934 | 29.840 | 29.876 | 29.875 | 29.836 | 29.854 | 29.865 | 29.851 | 29.904 | 29.940 | 29.959 | 29.876 |
| | S D | | .200 | .200 | .204 | .152 | .117 | .085 | .070 | .073 | .103 | .125 | .146 | .153 | .147 |
| | TOTAL OBS | | 205 | 199 | 249 | 214 | 310 | 297 | 310 | 310 | 300 | 304 | 215 | 167 | 3116 |
| 1 | MEAN | | 30.005 | 29.976 | 29.891 | 29.874 | 29.825 | 29.851 | 29.874 | 29.887 | 29.874 | 29.940 | 29.974 | 30.018 | 29.913 |
| | S D | | .205 | .195 | .199 | .161 | .117 | .086 | .072 | .075 | .110 | .121 | .153 | .190 | .159 |
| | TOTAL OBS | | 296 | 283 | 310 | 299 | 310 | 297 | 310 | 310 | 300 | 309 | 299 | 281 | 3604 |
| 1 | MEAN | | 29.959 | 29.944 | 29.847 | 29.843 | 29.800 | 29.825 | 29.848 | 29.858 | 29.840 | 29.895 | 29.923 | 29.969 | 29.878 |
| | S D | | .201 | .191 | .196 | .155 | .113 | .086 | .071 | .073 | .106 | .115 | .150 | .154 | .153 |
| | TOTAL OBS | | 296 | 283 | 310 | 300 | 310 | 297 | 310 | 310 | 300 | 309 | 299 | 279 | 3603 |
| 1 | MEAN | | 29.912 | 29.883 | 29.790 | 29.789 | 29.755 | 29.778 | 29.801 | 29.806 | 29.791 | 29.849 | 29.879 | 29.928 | 29.829 |
| | S D | | .199 | .187 | .190 | .151 | .109 | .083 | .070 | .072 | .098 | .112 | .143 | .178 | .150 |
| | TOTAL OBS | | 297 | 283 | 310 | 300 | 310 | 297 | 307 | 310 | 300 | 309 | 299 | 275 | 3600 |
| 1 | MEAN | | 29.931 | 29.893 | 29.795 | 29.785 | 29.746 | 29.774 | 29.799 | 29.806 | 29.800 | 29.863 | 29.897 | 29.945 | 29.834 |
| | S D | | .196 | .185 | .184 | .147 | .108 | .082 | .070 | .069 | .095 | .111 | .143 | .177 | .151 |
| | TOTAL OBS | | 294 | 280 | 310 | 300 | 310 | 297 | 303 | 310 | 300 | 309 | 299 | 256 | 3572 |
| 1 | MEAN | | 29.952 | 29.918 | 29.830 | 29.816 | 29.783 | 29.807 | 29.834 | 29.846 | 29.835 | 29.893 | 29.921 | 29.965 | 29.865 |
| | S D | | .199 | .185 | .180 | .146 | .105 | .081 | .070 | .071 | .094 | .111 | .145 | .182 | .148 |
| | TOTAL OBS | | 293 | 280 | 300 | 283 | 303 | 297 | 303 | 310 | 300 | 309 | 299 | 254 | 3531 |
| ALL HOURS | MEAN | | 29.951 | 29.924 | 29.830 | 29.824 | 29.786 | 29.812 | 29.835 | 29.845 | 29.832 | 29.891 | 29.921 | 29.964 | 29.866 |
| | S D | | .202 | .193 | .194 | .156 | .110 | .088 | .075 | .078 | .105 | .119 | .150 | .185 | .154 |
| | TOTAL OBS | | 1691 | 1623 | 1789 | 1736 | 1853 | 1782 | 1343 | 1560 | 1800 | 1845 | 1710 | 1517 | 21524 |

**DAT
FILM**